

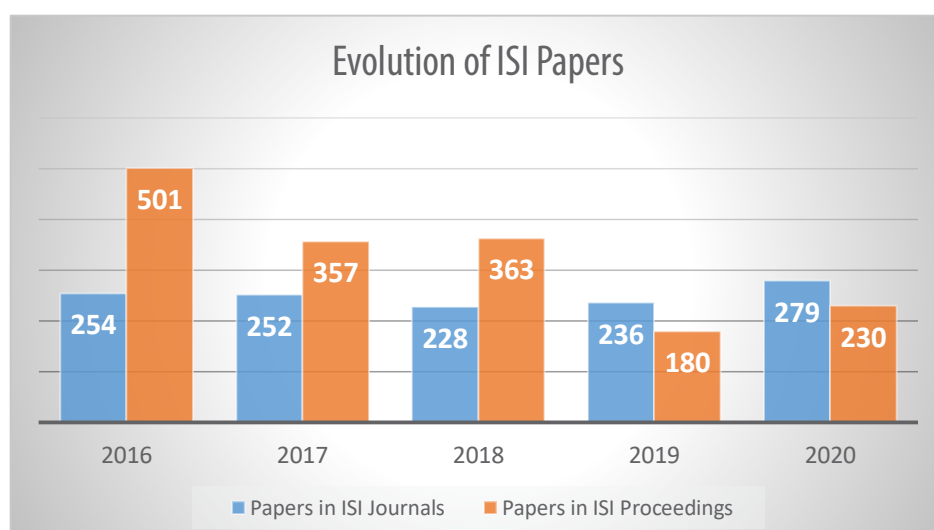
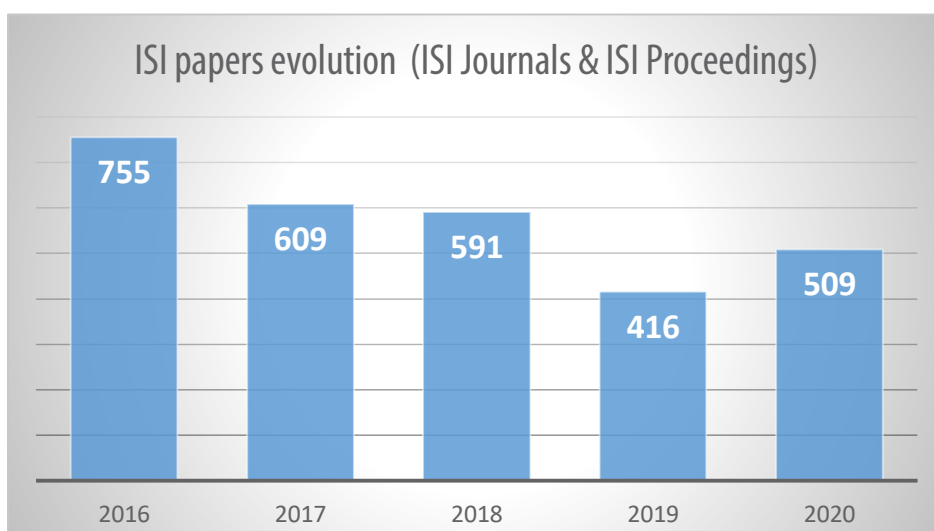
# ISI PAPERS

## EVOLUTION OF ISI PAPERS UNDER AFFILIATIONS OF UPT 2016 - 2020

Scientific writing and publication marks the endpoint of research that has been performed, completed, peer reviewed and accepted, and complements teaching and training.

In this chapter we present the publications/papers written by our professors, PhD students, researchers etc. These publications can be: papers published in ISI Journals or papers presented at Conference and indexed in ISI Proceedings.

The number of papers presented in the below figures is greater than the number of papers presented in previous Research Reports. This number varies from year to year because annually it increases the number of publications indexed in the ISI Clarivate Analytics database.



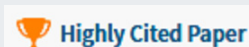
\* The data for 2020 was obtained from Web of Science - Clarivate Analytics in 5 November 2021

## *ISI Papers in highlight*

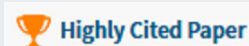
## Web of Science - Clarivate Analytics Highly Cited Papers

Selected from the most recent 10 years of data, Highly Cited Papers reflect the top 1% of papers by field and publication year. Highly Cited Papers help identify breakthrough research within a research field and are used within Web of Science to identify and refine the most influential research papers.

Boldea, I., Tutelea, L.N., Parsa, L., Dorrell, D. Automotive Electric Propulsion Systems With Reduced or No Permanent Magnets: An Overview, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Volume: 61, Issue: 10, Pages: 5696-5711, ISSN: 0278-0046, eISSN: 1557-9948, 2014;  
Times Cited in Web of Science Core Collection: 365



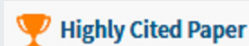
Precup, R.E., Hellendoorn, H. A survey on industrial applications of fuzzy control, COMPUTERS IN INDUSTRY, Volume: 62, Issue: 3, Pages: 213-226, ISSN: 0166-3615, eISSN: 1872-6194, 2011;  
Times Cited in Web of Science Core Collection: 311



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: 257



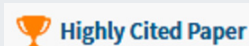
Gheju, M., Balcu, I. Removal of chromium from Cr(VI) polluted wastewaters by reduction with scrap iron and subsequent precipitation of resulted cations, JOURNAL OF HAZARDOUS MATERIALS, Volume: 196, Pages: 131-138, PubMed ID: 21955659, ISSN: 0304-3894, 2011;  
Times Cited in Web of Science Core Collection: 174



Sarbu, I., Sebarchievici, C. Review of solar refrigeration and cooling systems, ENERGY AND BUILDINGS, Volume: 67, Pages: 286-297, ISSN: 0378-7788, eISSN: 1872-6178, 2013;  
Times Cited in Web of Science Core Collection: 158



Sarbu, I., Sebarchievici, C. A Comprehensive Review of Thermal Energy Storage, SUSTAINABILITY, Volume: 10, Issue: 1, Article Number: 191, ISSN: 2071-1050, 2018;  
Times Cited in Web of Science Core Collection: 156



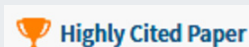
Highly Cited Papers received enough citations as of January/December 2020 to place them in the top 1% of their academic fields based on a highly cited threshold for the field and publication year.

\* The data was obtained from Web of Science - Clarivate Analytics in 30 March 2021

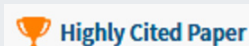
## Web of Science - Clarivate Analytics Highly Cited Paper

Selected from the most recent 10 years of data, Highly Cited Papers reflect the top 1% of papers by field and publication year. Highly Cited Papers help identify breakthrough research within a research field and are used within Web of Science to identify and refine the most influential research papers.

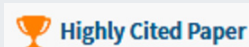
Ancuti, C.O., Ancuti, C., De Vleeschouwer, C., Bekaert, P. Color Balance and Fusion for Underwater Image Enhancement, IEEE TRANSACTIONS ON IMAGE PROCESSING, Volume: 27, Issue: 1, Pages: 379-393, PubMed ID: 28981416, ISSN: 1057-7149, eISSN: 1941-0042, 2018;  
Times Cited in Web of Science Core Collection: 126



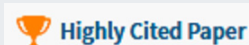
Precup, R.E., David, R.C., Petriu, E.M. Grey Wolf Optimizer Algorithm-Based Tuning of Fuzzy Control Systems With Reduced Parametric Sensitivity, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Volume: 64, Issue: 1, Pages: 527-534, ISSN: 0278-0046, eISSN: 1557-9948, 2017;  
Times Cited in Web of Science Core Collection: 123



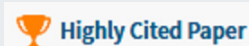
Gheju, M., Balcu, I., Mosoarca, G. Removal of Cr(VI) from aqueous solutions by adsorption on MnO<sub>2</sub>, JOURNAL OF HAZARDOUS MATERIALS, Volume: 310, Pages: 270-277, PubMed ID: 26947189, ISSN: 0304-3894, eISSN: 1873-3336, 2016;  
Times Cited in Web of Science Core Collection: 110



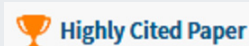
Gavruta, L. Frames for operators, APPLIED AND COMPUTATIONAL HARMONIC ANALYSIS, Volume: 32, Issue: 1, Pages: 139-144, ISSN: 1063-5203, 2012;  
Times Cited in Web of Science Core Collection: 100



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;  
Times Cited in Web of Science Core Collection: 75



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;  
Times Cited in Web of Science Core Collection: 48



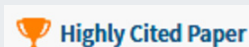
Highly Cited Papers received enough citations as of January/December 2020 to place them in the top 1% of their academic fields based on a highly cited threshold for the field and publication year.

\* The data was obtained from Web of Science - Clarivate Analytics in 30 March 2021

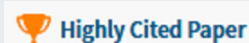
## Web of Science - Clarivate Analytics Highly Cited Papers

Selected from the most recent 10 years of data, Highly Cited Papers reflect the top 1% of papers by field and publication year. Highly Cited Papers help identify breakthrough research within a research field and are used within Web of Science to identify and refine the most influential research papers.

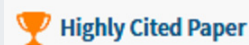
Istratie, R., Stoia, M., Pacurariu, C., Locovei, C. Single and simultaneous adsorption of methyl orange and phenol onto magnetic iron oxide/carbon nanocomposites, ARABIAN JOURNAL OF CHEMISTRY, Volume: 12, Issue: 8, Pages: 3704-3722, ISSN: 1878-5352, eISSN: 1878-5379, 2019;  
Times Cited in Web of Science Core Collection: 25



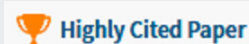
Fiedler, T., Al-Sahlani, K., Linul, P.A., Linul, E. Mechanical properties of A356 and ZA27 metallic syntactic foams at cryogenic temperature, JOURNAL OF ALLOYS AND COMPOUNDS, Volume: 813, Article Number: 152181, ISSN: 0925-8388, eISSN: 1873-4669, 2020;  
Times Cited in Web of Science Core Collection: 23



Tmusic, G., Manfreda, S., Aasen, H., James, M.R., Goncalves, G., Ben-Dor, E., Brook, A., Polinova, M., Arranz, J.J., Meszaros, J., Zhuang, R.D., Johansen, K., Malbeteau, Y., de Lima, I.P., Davids, C., Herban, S., McCabe, M.F. Current Practices in UAS-based Environmental Monitoring, REMOTE SENSING, Volume: 12, Issue: 6, Article Number: 1001, eISSN: 2072-4292, 2020;  
Times Cited in Web of Science Core Collection: 18



Precup, R.E., Teban, T.A., Albu, A., Borlea, A.B., Zamfirache, I.A., Petriu, E.M. Evolving Fuzzy Models for Prosthetic Hand Myoelectric-Based Control, IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, Volume: 69, Issue: 7, Pages: 4625-4636, ISSN: 0018-9456, eISSN: 1557-9662, 2020;  
Times Cited in Web of Science Core Collection: 16



Linul, E., Marsavina, L., Valean, C., Banica, R. Static and dynamic mode I fracture toughness of rigid PUR foams under room and cryogenic temperatures, ENGINEERING FRACTURE MECHANICS, Volume: 225, Article Number: 106274, ISSN: 0013-7944, eISSN: 1873-7315, 2020;  
Times Cited in Web of Science Core Collection: 14

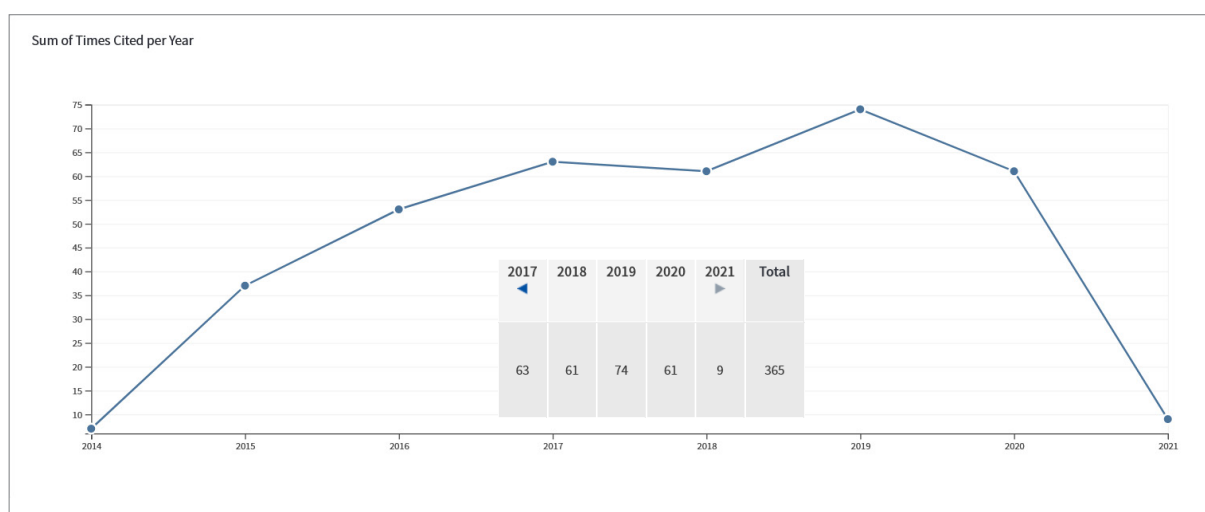


Highly Cited Papers received enough citations as of January/December 2020 to place them in the top 1% of their academic fields based on a highly cited threshold for the field and publication year.

\* The data was obtained from Web of Science - Clarivate Analytics in 30 March 2021

## Web of Science - Clarivate Analytics Highly Cited Paper

As of January/December 2020, 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.



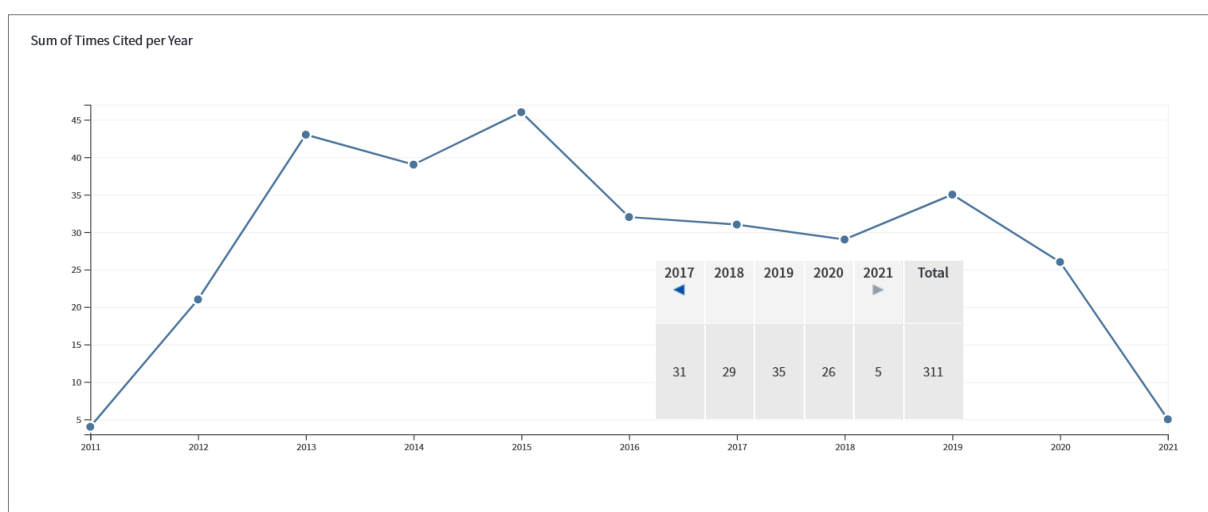
Boldea, I., Tutelea, L.N., Parsa, L., Dorrell, D. Automotive Electric Propulsion Systems With Reduced or No Permanent Magnets: An Overview, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Volume: 61, Issue: 10, Pages: 5696-5711, ISSN: 0278-0046, eISSN: 1557-9948, 2014;  
Times Cited in Web of Science Core Collection: 365

**Abstract:** Hybrid and electric vehicle technology has seen rapid development in recent years. The motor and the generator are at the heart of the vehicle drive and energy system and often utilize expensive rare-earth permanent magnet (PM) material. This paper reviews and addresses the research work that has been carried out to reduce the amount of rare-earth material that is used while maintaining the high efficiency and performance that rare-earth PM machines offer. These new machines can use either less rare-earth PM material,

weaker ferrite magnets, or no magnets; and they need to meet the high performance that the more usual interior PM synchronous motor with sintered neodymium-iron-boron magnets provides. These machines can take the form of PM-assisted synchronous reluctance machines, induction machines, switched reluctance machines, wound rotor synchronous machines (claw pole or biaxially excited), double-saliency machines with ac or dc stator current control, or brushless dc multiple-phase reluctance machines.

## Web of Science - Clarivate Analytics Highly Cited Paper

As of January/December 2020, 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: 311

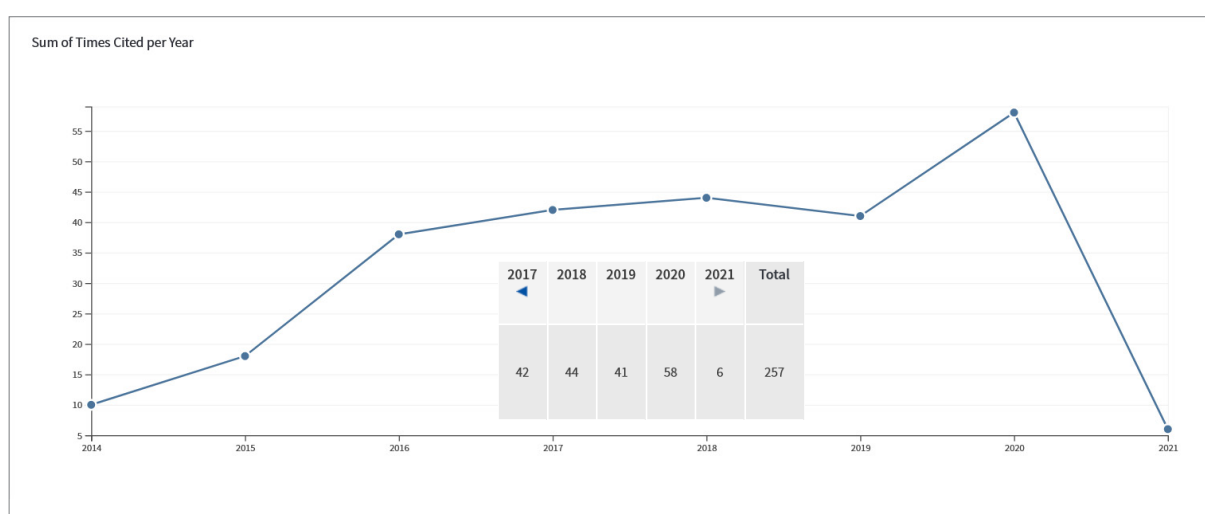
**Abstract:** Fuzzy control has long been applied to industry with several important theoretical results and successful results. Originally introduced as model-free control design approach, model-based fuzzy control has gained widespread significance in the past decade.

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 2020, 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.



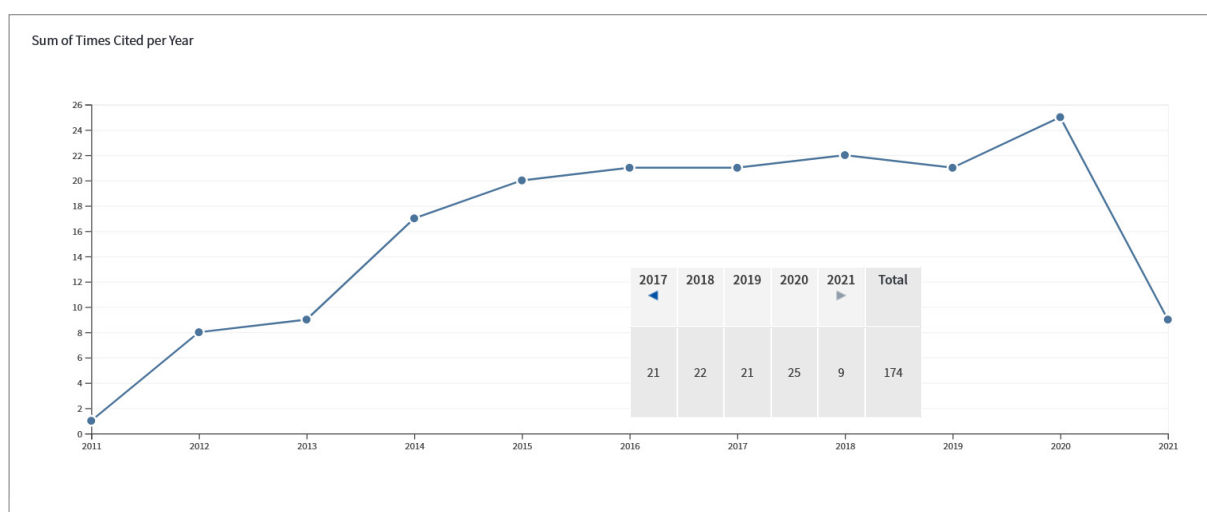
Sarbu, I., Sebarchievici, C. General review of ground-source heat pump systems for heating and cooling of buildings, *ENERGY AND BUILDINGS*, Volume: 70, Pages: 441-454, ISSN: 0378-7788, eISSN: 1872-6178, 2014;  
Times Cited in Web of Science Core Collection: 257

**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 2020, 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.



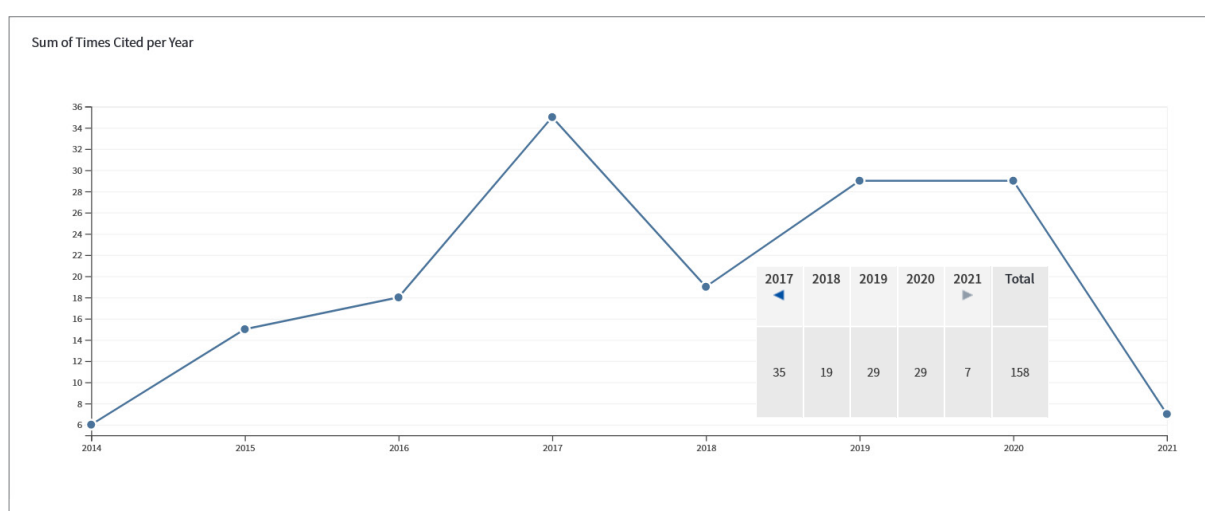
Gheju, M., Balcu, I. Removal of chromium from Cr(VI) polluted wastewaters by reduction with scrap iron and subsequent precipitation of resulted cations, *JOURNAL OF HAZARDOUS MATERIALS*, Volume: 196, Pages: 131-138, PubMed ID: 21955659, ISSN: 0304-3894, 2011;  
Times Cited in Web of Science Core Collection: 174

**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.

## Web of Science - Clarivate Analytics Highly Cited Paper

As of May/December 2020, 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.



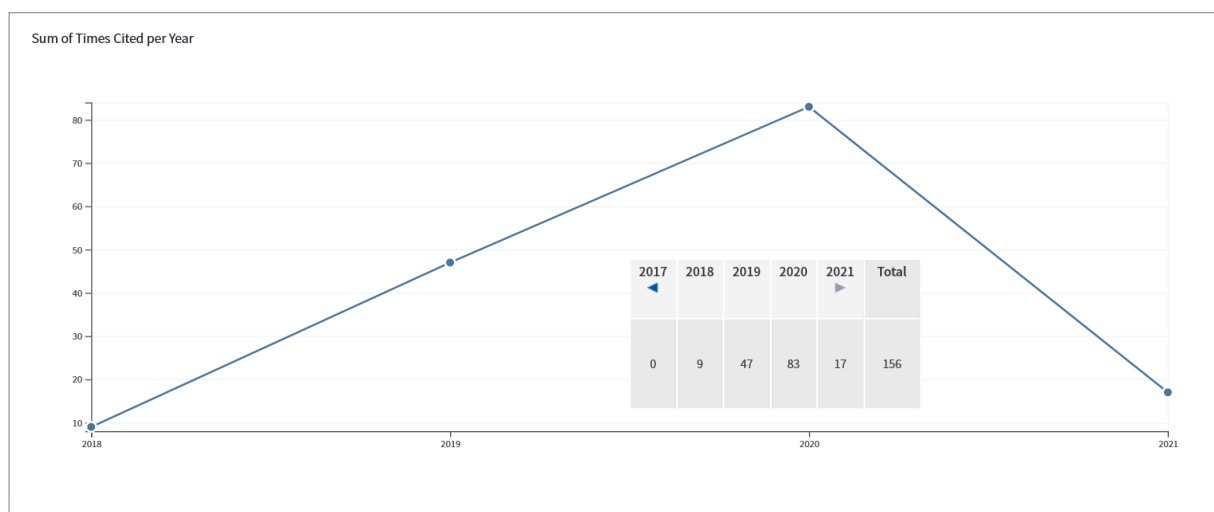
Sarbu, I., Sebarchievici, C. Review of solar refrigeration and cooling systems, *ENERGY AND BUILDINGS*, Volume: 67, Pages: 286-297, ISSN: 0378-7788, eISSN: 1872-6178, 2013;  
Times Cited in Web of Science Core Collection: 158

**Abstract:** Providing cooling by utilizing renewable energy such as solar energy is a key solution to the energy and environmental issues. This paper provides a detailed review of different solar refrigeration and cooling methods. There are presented theoretical basis and practical applications for cooling systems within various working fluids assisted by solar energy and their recent advances. Thermally powered refrigeration technologies are classified into two categories: sorption technology (open systems or closed systems) and thermo-mechanical technology (ejector system). Solid and liquid desiccant cycles represent the open system. The liquid desiccant system has a higher thermal coefficient of performance (COP) than the solid

desiccant system. Absorption and adsorption technologies represent the closed system. The adsorption cooling typically needs lower heat source temperatures than the absorption cooling. Based on COP, the absorption systems are preferred to the adsorption systems, the higher temperature issues can be easily handled with solar adsorption systems. The ejector system represents the thermo-mechanical cooling, and has a higher thermal COP but require a higher heat source temperature than other systems. The study also refers to solar hybrid cooling systems with heterogeneous composite pairs, to a comparison of various solar cooling systems, and to some use suggestions of these systems.

## Web of Science - Clarivate Analytics Highly Cited Paper

As of January/December 2020, this highly cited paper received enough citations to place it in the top 1% of the academic field of **Environment/ Ecology** based on a highly cited threshold for the field and publication year.



Sarbu, I., Sebarchievici, C. A Comprehensive Review of Thermal Energy Storage, SUSTAINABILITY, Volume: 10, Issue: 1, Article Number: 191, ISSN: 2071-1050, 2018;

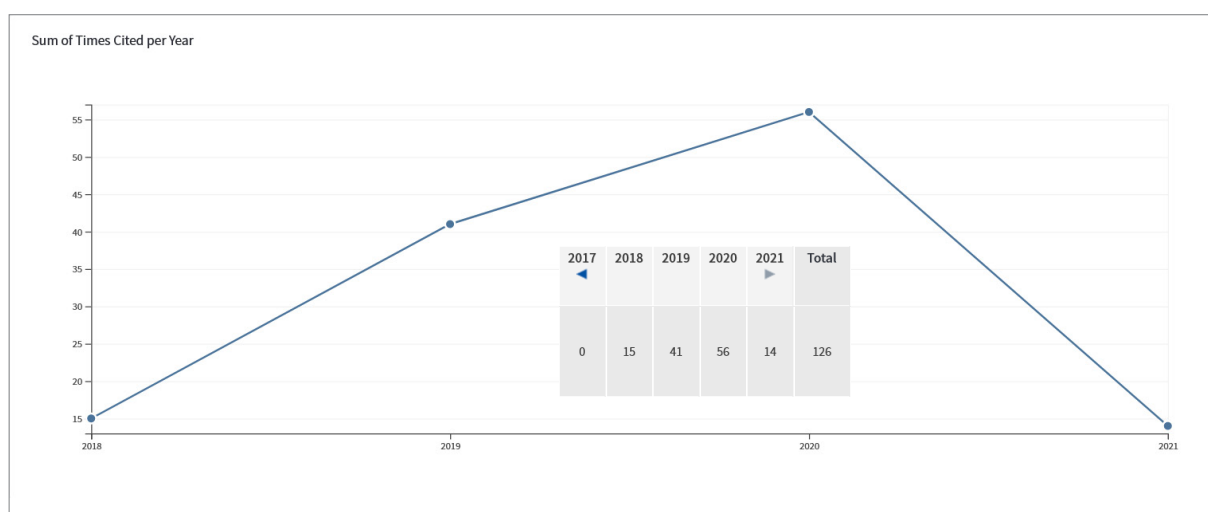
Times Cited in Web of Science Core Collection: 156

**Abstract:** Thermal energy storage (TES) is a technology that stocks thermal energy by heating or cooling a storage medium so that the stored energy can be used at a later time for heating and cooling applications and power generation. TES systems are used particularly in buildings and in industrial processes. This paper is focused on TES technologies that provide a way of valorizing solar heat and reducing the energy demand of buildings. The principles of several energy storage methods and calculation of storage capacities are

described. Sensible heat storage technologies, including water tank, underground, and packed-bed storage methods, are briefly reviewed. Additionally, latent-heat storage systems associated with phase-change materials for use in solar heating/cooling of buildings, solar water heating, heat-pump systems, and concentrating solar power plants as well as thermo-chemical storage are discussed. Finally, cool thermal energy storage is also briefly reviewed and outstanding information on the performance and costs of TES systems are included.

## Web of Science - Clarivate Analytics Highly Cited Paper

As of January/December 2020, 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.



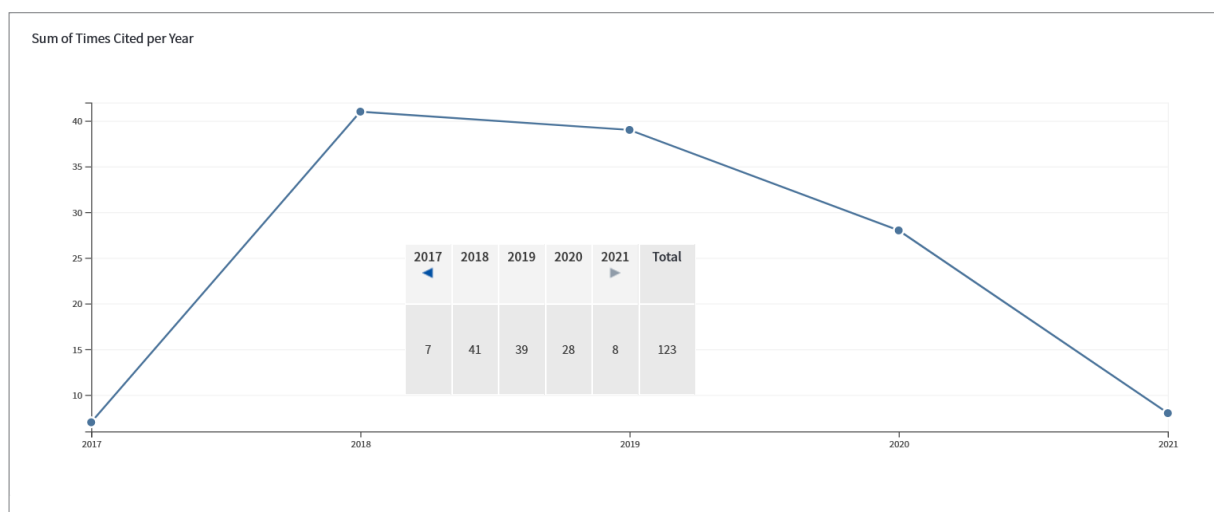
Ancuti, C.O., Ancuti, C., De Vleeschouwer, C., Bekaert, P. Color Balance and Fusion for Underwater Image Enhancement, IEEE TRANSACTIONS ON IMAGE PROCESSING, Volume: 27, Issue: 1, Pages: 379-393, PubMed ID: 28981416, ISSN: 1057-7149, eISSN: 1941-0042, 2018;  
Times Cited in Web of Science Core Collection: 126

**Abstract:** We introduce an effective technique to enhance the images captured underwater and degraded due to the medium scattering and absorption. Our method is a single image approach that does not require specialized hardware or knowledge about the underwater conditions or scene structure. It builds on the blending of two images that are directly derived from a color-compensated and white-balanced version of the original degraded image. The two images to fusion, as well as their associated weight maps, are defined to promote the transfer of edges and color contrast to the output

image. To avoid that the sharp weight map transitions create artifacts in the low frequency components of the reconstructed image, we also adapt a multiscale fusion strategy. Our extensive qualitative and quantitative evaluation reveals that our enhanced images and videos are characterized by better exposedness of the dark regions, improved global contrast, and edges sharpness. Our validation also proves that our algorithm is reasonably independent of the camera settings, and improves the accuracy of several image processing applications, such as image segmentation and keypoint matching.

## Web of Science - Clarivate Analytics Highly Cited Paper

As of January/December 2020, 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.



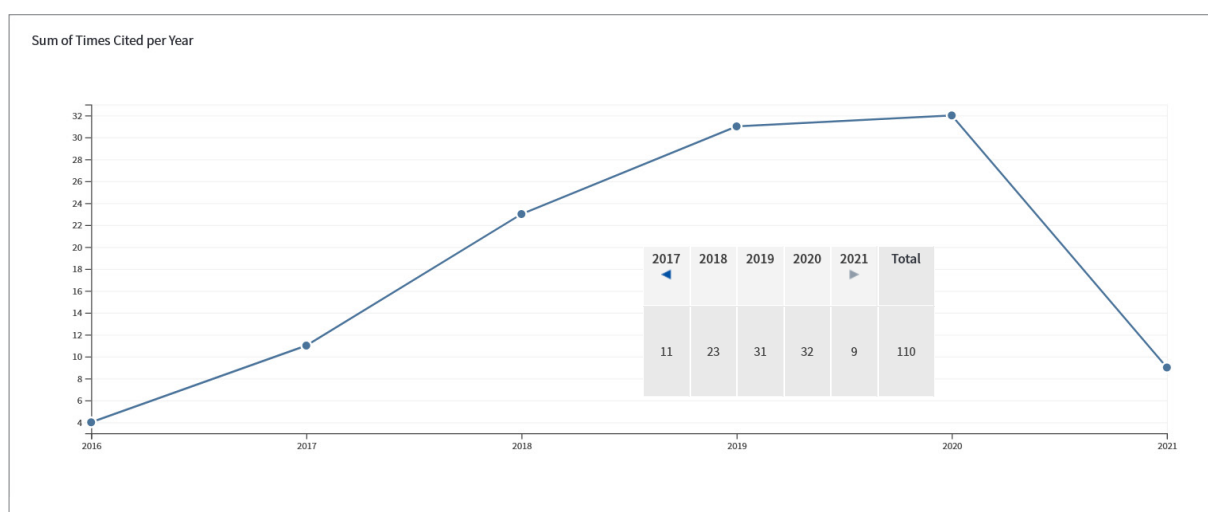
Precup, R.E., David, R.C., Petriu, E.M. Grey Wolf Optimizer Algorithm-Based Tuning of Fuzzy Control Systems With Reduced Parametric Sensitivity, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Volume: 64, Issue: 1, Pages: 527-534, ISSN: 0278-0046, eISSN: 1557-9948, 2017;  
Times Cited in Web of Science Core Collection: 123

**Abstract:** This paper proposes an innovative tuning approach for fuzzy control systems (CSs) with a reduced parametric sensitivity using the Grey Wolf Optimizer (GWO) algorithm. The CSs consist of servo system processes controlled by Takagi-Sugeno-Kang proportional-integral fuzzy controllers (TSK PI-FCs). The process models have second-order dynamics with an integral component, variable parameters, a saturation, and dead-zone static nonlinearity. The sensitivity analysis employs output sensitivity functions of the sensitivity models defined

with respect to the parametric variations of the processes. The GWO algorithm is used in solving the optimization problems, where the objective functions include the output sensitivity functions. GWO's motivation is based on its low-computational cost. The tuning approach is validated in an experimental case study of a position control for a laboratory nonlinear servo system, and TSK PI-FCs with a reduced process small time constant sensitivity are offered.

## Web of Science - Clarivate Analytics Highly Cited Paper

As of January/December 2020, 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.



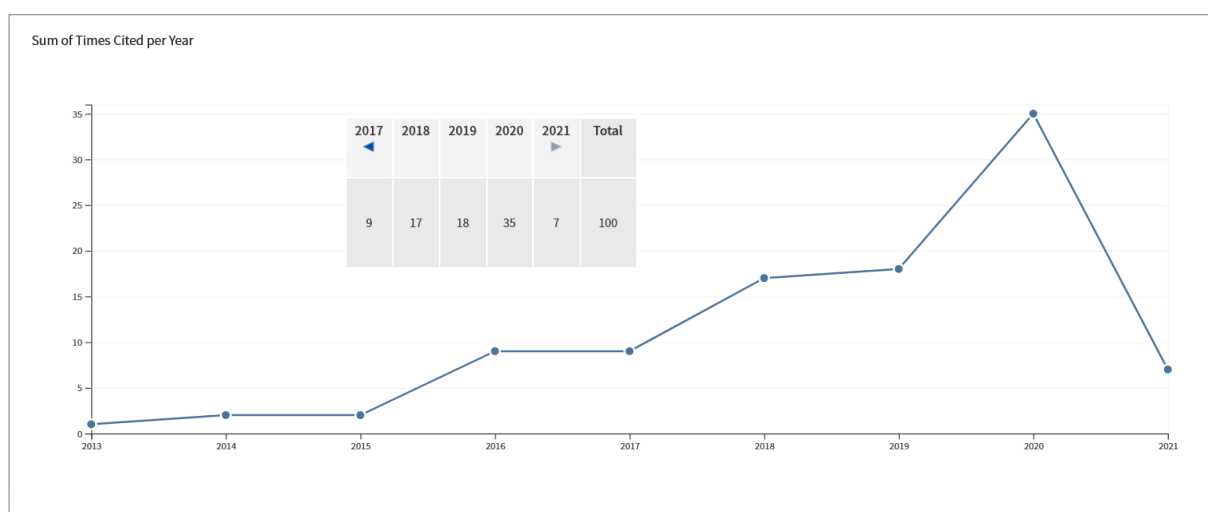
Gheju, M., Balcu, I., Mosoarca, G. Removal of Cr(VI) from aqueous solutions by adsorption on MnO<sub>2</sub>, JOURNAL OF HAZARDOUS MATERIALS, Volume: 310, Pages: 270-277, PubMed ID: 26947189, ISSN: 0304-3894, eISSN: 1873-3336, 2016;  
Times Cited in Web of Science Core Collection: 110

**Abstract:** Adsorption of Cr(VI) on MnO<sub>2</sub> was investigated with respect to effect of pH, temperature, ionic strength, initial Cr(VI) concentration, co-presence of different anions (HCO<sub>3</sub><sup>-</sup>, SO<sub>4</sub><sup>2-</sup>, H<sub>2</sub>PO<sub>4</sub><sup>-</sup>, NO<sub>3</sub><sup>-</sup> and Cl<sup>-</sup>) and of low molecular weight natural organic materials (LMWNOM) (acetate, oxalate and citrate). The process was rapid during the first 3-5 min, reaching equilibrium after one hour. Adsorption decreased with increasing pH, temperature and Cr(VI) initial concentration, and increased with increasing ionic strength. Co-presence of phosphate, sulfate, bicarbonate, citrate and oxalate hindered Cr(VI) adsorption, whereas nitrate, chloride and acetate did not exert any notable influence. The overall order of Cr(VI) adsorption suppression due to

co-presence of anions and LMWNOM was H<sub>2</sub>PO<sub>4</sub><sup>-</sup> > HCO<sub>3</sub><sup>-</sup> > SO<sub>4</sub><sup>2-</sup>, and oxalate > citrate, respectively. Highest experimental equilibrium sorption capacity (0.83 mg g<sup>-1</sup>) was obtained at 20 degrees C and pH 5.9, while lowest (0.18 mg g<sup>-1</sup>) was noticed in the co-presence of H<sub>2</sub>PO<sub>4</sub><sup>-</sup>, at 20 degrees C and pH 6.9. Adsorption kinetics was successfully fitted by pseudo-second-order model. Mechanisms for both specific and non-specific adsorption are likely to be involved, while rate-controlling step involved both intra-particle and film diffusion processes. Cr(VI) was strongly bound to MnO<sub>2</sub>, which makes risks of its subsequent liberation into the environment to be low.

## Web of Science - Clarivate Analytics Highly Cited Paper

As of May/June and September/December 2020, 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.



Gavruta, L. Frames for operators, APPLIED AND COMPUTATIONAL HARMONIC ANALYSIS, Volume: 32, Issue: 1, Pages: 139-144, ISSN: 1063-5203, 2012;

Times Cited in Web of Science Core Collection: 100

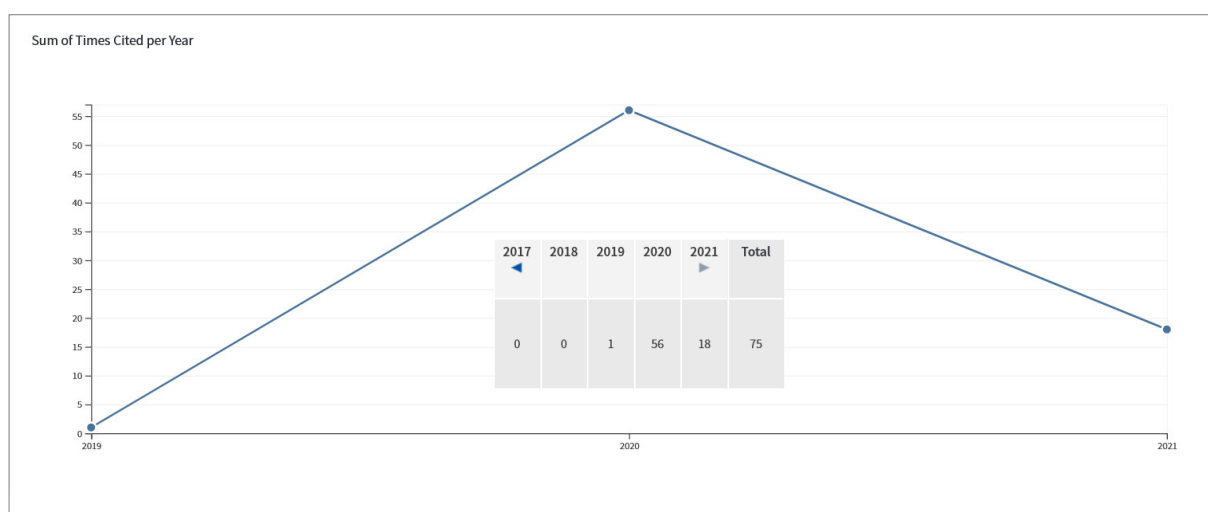
Abstract: Frames in Hilbert spaces are a redundant set of vectors which yield a representation for each vector in the space. In the present paper, we give a generalization of frames, which allows, in a stable

way, to reconstruct elements from the range of a linear and bounded operator in a Hilbert space.



## Web of Science - Clarivate Analytics Highly Cited Paper

As of September/December 2020, this highly cited paper received enough citations to place it in the top 1% of the academic field of **Chemistry** based on a highly cited threshold for the field and publication year.



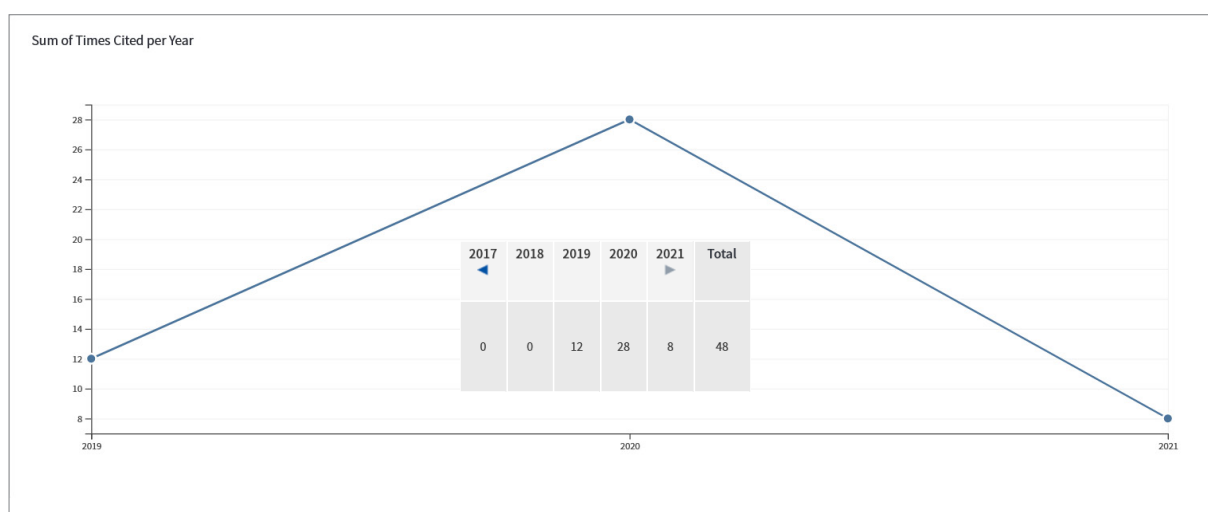
Rajak, D.K., Pagar, D.D., Menezes, P.L., Linul, E. Fiber-Reinforced Polymer Composites: Manufacturing, Properties, and Applications, POLYMERS, Volume: 11, Issue: 10, Article Number: 1667, PubMed ID: 31614875, eISSN: 2073-4360, 2019;  
Times Cited in Web of Science Core Collection: 75

**Abstract:** Composites have been found to be the most promising and discerning material available in this century. Presently, composites reinforced with fibers of synthetic or natural materials are gaining more importance as demands for lightweight materials with high strength for specific applications are growing in the market. Fiber-reinforced polymer composite offers not only high strength to weight ratio, but also reveals exceptional properties such as high durability; stiffness; damping property; flexural strength; and resistance to corrosion, wear, impact, and fire. These wide ranges of diverse features have led composite materials to find applications in mechanical, construction, aerospace, automobile, biomedical, marine, and many other manufacturing industries. Performance of composite

materials predominantly depends on their constituent elements and manufacturing techniques, therefore, functional properties of various fibers available worldwide, their classifications, and the manufacturing techniques used to fabricate the composite materials need to be studied in order to figure out the optimized characteristic of the material for the desired application. An overview of a diverse range of fibers, their properties, functionality, classification, and various fiber composite manufacturing techniques is presented to discover the optimized fiber-reinforced composite material for significant applications. Their exceptional performance in the numerous fields of applications have made fiber-reinforced composite materials a promising alternative over solitary metals or alloys.

## Web of Science - Clarivate Analytics Highly Cited Paper

As of January/December 2020, 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.



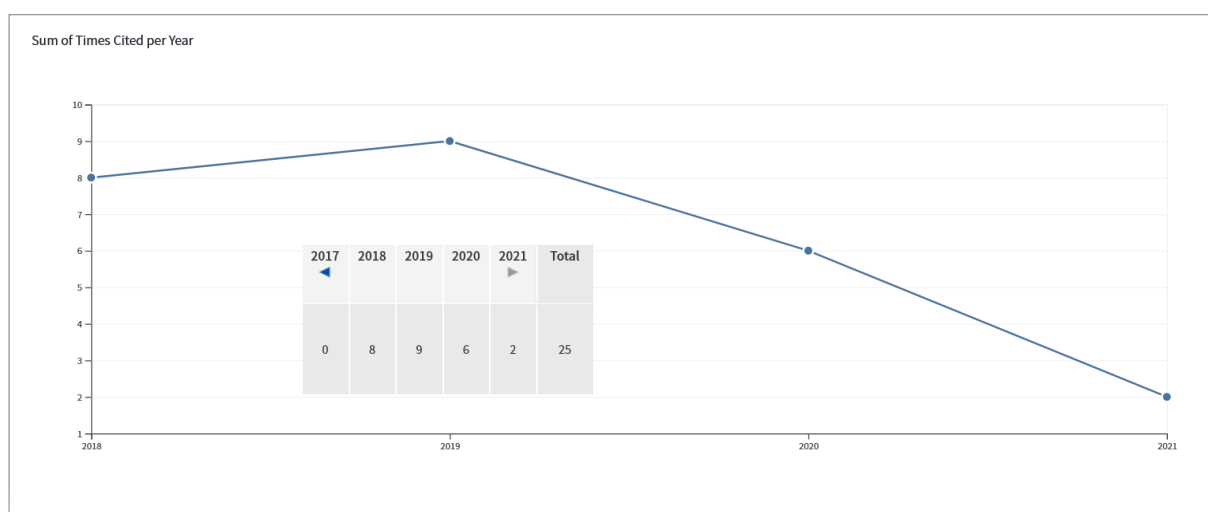
Sarbu, I., Dorca, A. Review on heat transfer analysis in thermal energy storage using latent heat storage systems and phase change materials, *INTERNATIONAL JOURNAL OF ENERGY RESEARCH*, Volume: 43, Issue: 1, Pages: 29-64, ISSN: 0363-907X, eISSN: 1099-114X, 2019;  
Times Cited in Web of Science Core Collection: 48

**Abstract:** Thermal energy storage (TES) is a technology that stocks thermal energy by heating or cooling a storage medium so that the stored energy can be used later for heating and cooling applications and for power generation. TES has recently attracted increasing interest to thermal applications such as space and water heating, waste heat utilisation, cooling, and air conditioning. Phase change materials (PCMs) used for the storage of thermal energy as latent heat are special types of advanced materials that substantially contribute to the efficient use and conservation of waste heat and solar energy. This paper provides a comprehensive review on the development of latent heat storage (LHS) systems focused on heat transfer and enhancement techniques employed in PCMs to effectively charge and discharge

latent heat energy, and the formulation of the phase change problem. The main categories of PCMs are classified and briefly described, and heat transfer enhancement technologies, namely dispersion of low-density materials, use of porous materials, metal matrices and encapsulation, incorporation of extended surfaces and fins, utilisation of heat pipes, cascaded storage, and direct heat transfer techniques, are also discussed in detail. Additionally, a two-dimensional heat transfer simulation model of an LHS system is developed using the control volume technique to solve the phase change problem. Furthermore, a three-dimensional numerical simulation model of an LHS is built to investigate the quasi-steady state and transient heat transfer in PCMs. Finally, several future research directions are provided.

## Web of Science - Clarivate Analytics Highly Cited Paper

As of January/February 2020, this highly cited paper received enough citations to place it in the top 1% of the academic field of **Chemistry** based on a highly cited threshold for the field and publication year.



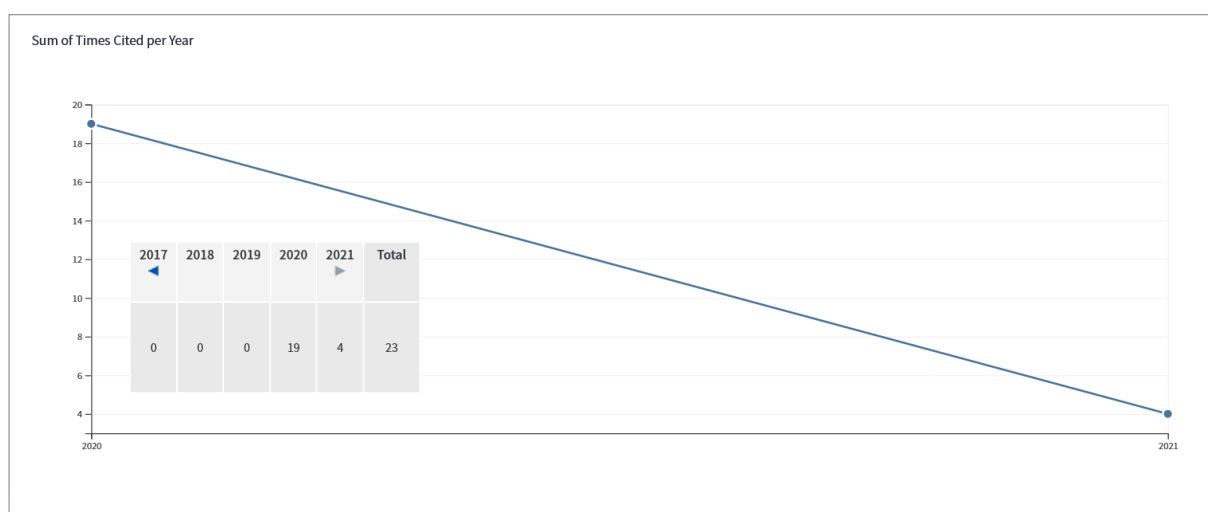
Istratie, R., Stoia, M., Pacurariu, C., Locovei, C. Single and simultaneous adsorption of methyl orange and phenol onto magnetic iron oxide/carbon nanocomposites, ARABIAN JOURNAL OF CHEMISTRY, Volume: 12, Issue: 8, Pages: 3704-3722, ISSN: 1878-5352, eISSN: 1878-5379, 2019; Times Cited in Web of Science Core Collection: 25

**Abstract:** Magnetic iron oxide/carbon nanocomposites were synthesized by a facile, one-step solvothermal method. The magnetic nanopowders were characterized by X-ray diffraction (XRD), Fourier transform infrared (FTIR) spectroscopy, thermal analysis (DSC-TG), scanning electron microscopy (SEM), specific surface area and particle size measurements, pore size distributions and magnetic properties. The magnetic nanopowders were tested as adsorbents for the removal of methyl orange (MO) and phenol (Ph) from aqueous solutions. The effects of solution pH, contact time, adsorbent dose and initial pollutants concentration on the adsorption of MO and phenol onto the investigated adsorbents were studied. A significant increase in the removal efficiency, both for MO and phenol, with the increase in the carbon content of the magnetic nanopowder was evidenced.

New experimental data were provided regarding the bicomponent adsorption of MO and phenol. Pseudo-second order equation was fitted to the kinetic data and four isotherm models, namely Langmuir, Freundlich, Redlich-Peterson and Sips were used to analyze the equilibrium data in both single and binary-component solutions. The investigated adsorbents showed a higher adsorption capacity toward MO than phenol. The simultaneous adsorption of the two pollutants in bicomponent solutions indicated that the MO adsorption is practically not affected by the presence of phenol while the adsorption of phenol is significantly reduced in the presence of MO. The benefits of obtaining low-cost nanocomposites with adsorption capacity and magnetic separation tailored, effective in single and bicomponent adsorption of MO and phenol, represent strong arguments regarding their great potential for practical applications.

## Web of Science - Clarivate Analytics Highly Cited Paper

As of May/December 2020, this highly cited paper received enough citations to place it in the top 1% of the academic field of **Materials Science** based on a highly cited threshold for the field and publication year.



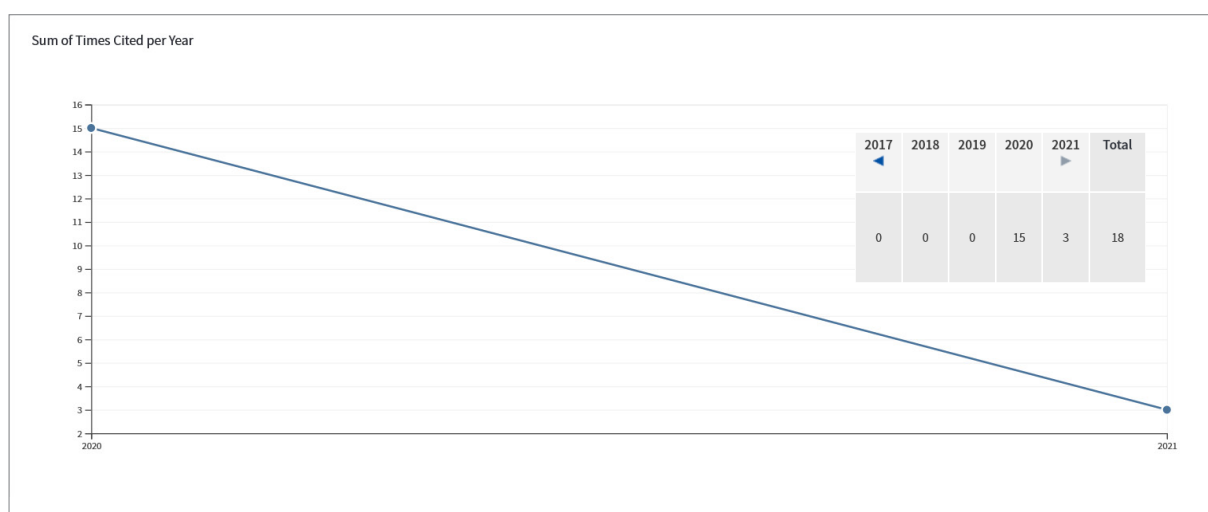
Fiedler, T., Al-Sahlani, K., Linul, P.A., Linul, E. Mechanical properties of A356 and ZA27 metallic syntactic foams at cryogenic temperature, *JOURNAL OF ALLOYS AND COMPOUNDS*, Volume: 813, Article Number: 152181, ISSN: 0925-8388, eISSN: 1873-4669, 2020;  
Times Cited in Web of Science Core Collection: 23

**Abstract:** This work presents compressions tests of metallic foams at cryogenic temperature. The investigated syntactic foams were manufactured by combining a packed bed of expanded glass particles with either an aluminium or a zinc matrix using infiltration casting. Uni-axial compressions tests were performed after submerging samples in a bath of liquid nitrogen with an equilibrium temperature of -196 degrees C. Both the solid matrix material and syntactic foam

samples were tested. For comparison, room temperature reference data from the literature was obtained. In addition, the effect of thermal treatment on the mechanical behaviour of both alloys and their foams at cryogenic temperature was addressed. The results indicate significant embrittlement at cryogenic temperature; however, aluminium and its foams are less susceptible to this effect.

## Web of Science - Clarivate Analytics Highly Cited Paper

As of July/December 2020, this highly cited paper received enough citations to place it in the top 1% of the academic field of **Geosciences** based on a highly cited threshold for the field and publication year.



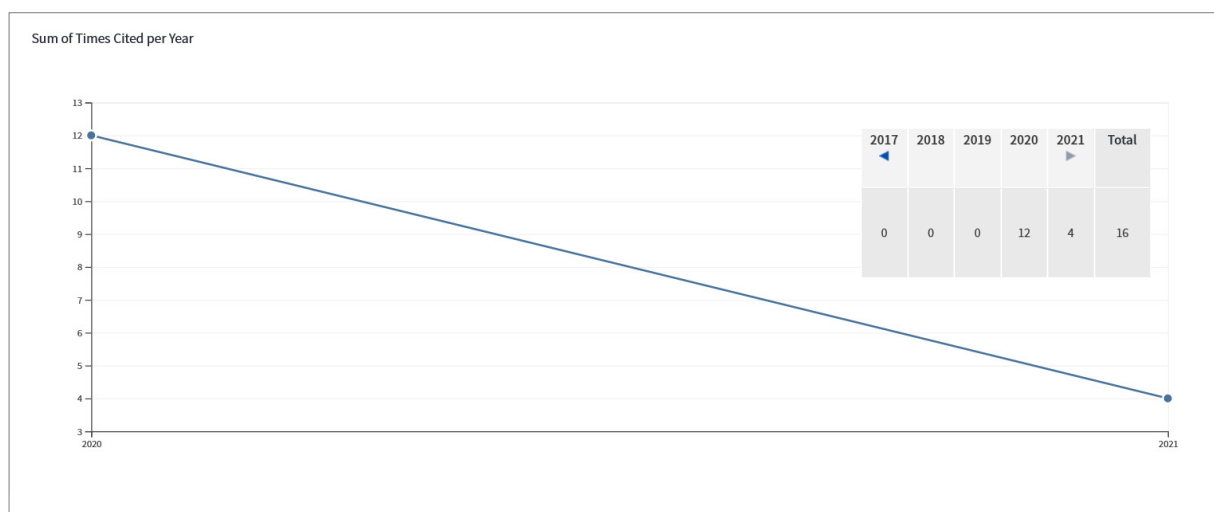
Tmusic, G., Manfreda, S., Aasen, H., James, M.R., Goncalves, G., Ben-Dor, E., Brook, A., Polinova, M., Arranz, J.J., Meszaros, J., Zhuang, R.D., Johansen, K., Malbeteau, Y., de Lima, I.P., Davids, C., Herban, S., McCabe, M.F. Current Practices in UAS-based Environmental Monitoring, REMOTE SENSING, Volume: 12, Issue: 6, Article Number: 1001, eISSN: 2072-4292, 2020;  
Times Cited in Web of Science Core Collection: 18

**Abstract:** With the increasing role that unmanned aerial systems (UAS) are playing in data collection for environmental studies, two key challenges relate to harmonizing and providing standardized guidance for data collection, and also establishing protocols that are applicable across a broad range of environments and conditions. In this context, a network of scientists are cooperating within the framework of the Harmonious Project to develop and promote harmonized mapping strategies and disseminate operational guidance to ensure best practice for data collection and interpretation. The culmination of these efforts is summarized in the present manuscript. Through

this synthesis study, we identify the many interdependencies of each step in the collection and processing chain, and outline approaches to formalize and ensure a successful workflow and product development. Given the number of environmental conditions, constraints, and variables that could possibly be explored from UAS platforms, it is impractical to provide protocols that can be applied universally under all scenarios. However, it is possible to collate and systematically order the fragmented knowledge on UAS collection and analysis to identify the best practices that can best ensure the streamlined and rigorous development of scientific products.

## Web of Science - Clarivate Analytics Highly Cited Paper

As of November/December 2020, 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.



Precup, R.E., Teban, T.A., Albu, A., Borlea, A.B., Zamfirache, I.A., Petriu, E.M. Evolving Fuzzy Models for Prosthetic Hand Myoelectric-Based Control, IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, Volume: 69, Issue: 7, Pages: 4625-4636, ISSN: 0018-9456, eISSN: 1557-9662, 2020;

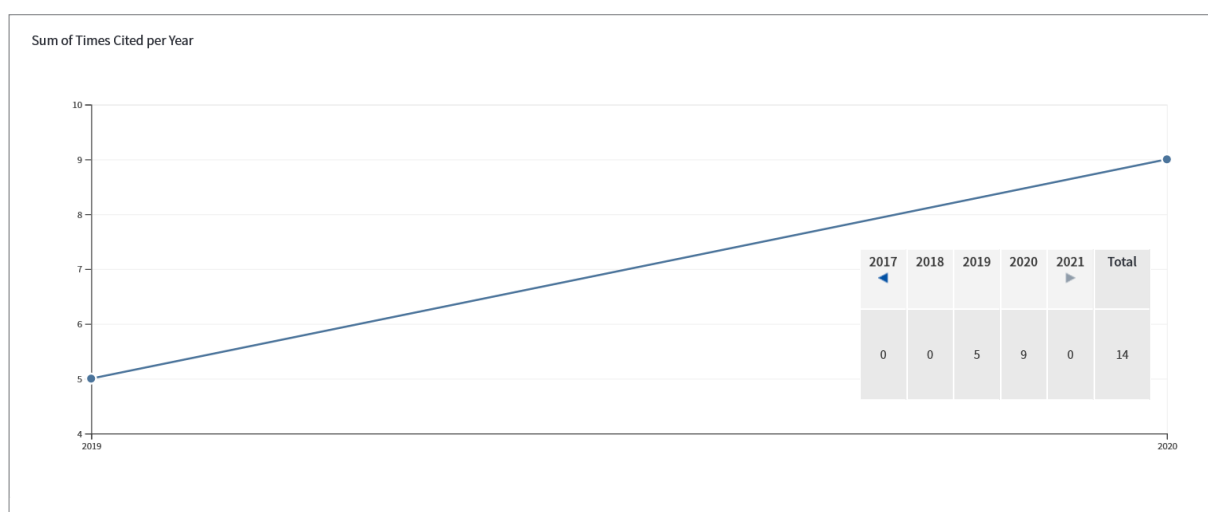
Times Cited in Web of Science Core Collection: 16

**Abstract:** This article applies an incremental online identification algorithm to develop a set of evolving fuzzy models (FMs) that characterize the nonlinear finger dynamics of the human hand for the myoelectric (ME)-based control of a prosthetic hand. The FM inputs are the ME signals obtained from eight ME sensors and past inputs and/or outputs. The FM outputs are the finger angles, considered here as the midcarpal joint angles, to ensure their control. The best evolving FMs that characterize each of the five fingers are described with the results validated on real data. Simple second-order linear models are

next given to enable the cost-effective controller design. Five separate control loops are proposed, with proportional-integral (PI) controllers separately tuned by a frequency-domain approach. Simple PI-fuzzy controllers are designed starting with the linear PI controllers to ensure the control system performance improvement. The evolving FMs are used to simulate accurately the behavior of the human hand. Digital simulation results are included to show the effectiveness of the PI-fuzzy controllers and the performance improvement in comparison to the initial PI ones.

## Web of Science - Clarivate Analytics Highly Cited Paper

As of January/December 2020, 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.



Linul, E., Marsavina, L., Valean, C., Banica, R. Static and dynamic mode I fracture toughness of rigid PUR foams under room and cryogenic temperatures, *ENGINEERING FRACTURE MECHANICS*, Volume: 225, Article Number: 106274, ISSN: 0013-7944, eISSN: 1873-7315, 2020;  
Times Cited in Web of Science Core Collection: 14

**Abstract:** The research presented in this paper is an effort to better understand the fracture toughness of closed-cell rigid polyurethane (PUR) foams under different loading and temperature conditions. The effect of density (100, 145 and 300 kg/m<sup>3</sup>) and anisotropy (in-plane and out-of-plane loading directions) on both quasi-static and dynamic fracture behavior was also experimentally investigated. The three-point bending (3PB) tests were performed on Single Edge Notched Bend (SENB) samples, at room (25 degrees C) and cryogenic (-196 degrees C) temperatures, and the mode I fracture toughness (K-IC) was calculated from their load-displacement curves. It was

observed that all PUR foam samples, regardless of foam density and loading direction, showed a significant increase in K-IC at the cryogenic temperature. The out-of-plane obtained samples showed a slight improvement in fracture toughness (highlighting an anisotropic behavior), both under quasi-static and dynamic 3PB loads. The dynamic K-IC values were found higher than quasi-static ones, and irrespective of foam density and test condition, a brittle deformation mechanism without plastic deformation was observed for all samples. Finally, empirical formulations for cryogenic and dynamic K-IC based on room temperature mode I fracture toughness were proposed.

No.	Article	2019 Impact Factor / Quartile in Category
1.	Afzal, M.U., Matekovits, L., Esselle, K.P., Lalbakhsh, A. Beam-Scanning Antenna Based on Near-Electric Field Phase Transformation and Refraction of Electromagnetic Wave Through Dielectric Structures, IEEE ACCESS, Volume: 8, Pages: 199242-199253, ISSN: 2169-3536, 2020;	3.745 / Q1
2.	Ahmed, S.E., San, O., Bistrrian, D.A., Navon, I.M. Sampling and resolution characteristics in reduced order models of shallow water equations: Intrusive vs nonintrusive, INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN FLUIDS, Volume: 92, Issue: 8, Pages: 992-1036, ISSN: 0271-2091, eISSN: 1097-0363, 2020;	1.808 / Q2
3.	Albulescu, C.T., Artene, A.E., Luminosu, C.T., Tamasila, M. CO(2)emissions, renewable energy, and environmental regulations in the EU countries, ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, Volume: 27, Issue: 27, Pages: 33615-33635, PubMed ID: 31473925, ISSN: 0944-1344, eISSN: 1614-7499, 2020;	3.056 / Q2
4.	Albulescu, C.T., Tiwari, A.K., Ji, Q. Copula-based local dependence among energy, agriculture and metal commodities markets, ENERGY, Volume: 202, Article Number: 117762, ISSN: 0360-5442, eISSN: 1873-6785, 2020;	6.082 / Q1
5.	Ancuti, C., Ancuti, C.O., De Vleeschouwer, C., Bovik, A.C. Day and Night-Time Dehazing by Local Airlight Estimation, IEEE TRANSACTIONS ON IMAGE PROCESSING, Volume: 29, Pages: 6264-6275, PubMed ID: 32340946, ISSN: 1057-7149, eISSN: 1941-0042, 2020;	9.34 / Q1
6.	Ancuti, C.O., Ancuti, C., De Vleeschouwer, C., Sbert, M. Color Channel Compensation (3C): A Fundamental Pre-Processing Step for Image Enhancement, IEEE TRANSACTIONS ON IMAGE PROCESSING, Volume: 29, Pages: 2653-2665, PubMed ID: 31751271, ISSN: 1057-7149, eISSN: 1941-0042, 2020;	9.34 / Q1
7.	Ancuti, M.C., Musuroi, S., Sorandaru, C., Dordescu, M., Erdodi, G.M. Wind Turbines Optimal Operation at Time Variable Wind Speeds, APPLIED SCIENCES-BASEL, Volume: 10, Issue: 12, Article Number: 4232, eISSN: 2076-3417, 2020;	2.474 / Q2
8.	Apopei, P., Orha, C., Popescu, M.I., Lazau, C., Manea, F., Catrinescu, C., Teodosiu, C. Diclofenac removal from water by photocatalysis- assisted filtration using activated carbon modified with N-doped TiO <sub>2</sub> , PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, Volume: 138, Pages: 324-336, ISSN: 0957-5820, eISSN: 1744-3598, 2020;	4.966 / Q1
9.	Ardean, C., Ciopec, M., Davidescu, C.M., Negrea, P., Voda, R. Kinetics and Thermodynamics Studies for Cadmium (II) Adsorption onto Functionalized Chitosan with Hexa-Decyl-Trimethyl-Ammonium Chloride, MATERIALS, Volume: 13, Issue: 23, Article Number: 5552, PubMed ID: 33291450, eISSN: 1996-1944, 2020;	3.057 / Q2
10.	Artene, A., Bunget, O.C., Dumitrescu, A.C., Domil, A.E., Bogdan, O. Non-Financial Information Disclosures and Environmental Protection-Evidence from Romania and Greece, FORESTS, Volume: 11, Issue: 8, Article Number: 814, eISSN: 1999-4907, 2020;	2.221 / Q1
11.	Arvinti, B., Isar, A., Stolz, R., Costache, M. REMOVAL OF REPETITIVE MAGNETIC INTERFERENCES UPON UNSHIELDED FETAL MAGNETOCARDIOGRAMS, ROMANIAN REPORTS IN PHYSICS, Volume: 72, Issue: 3, Article Number: 607, ISSN: 1221-1451, eISSN: 1841-8759, 2020;	2.147 / Q2
12.	Bauer, M., Bruveris, M., Cismas, E., Escher, J., Kolev, B. Well-posedness of the EPDiff equation with a pseudo-differential inertia operator, JOURNAL OF DIFFERENTIAL EQUATIONS, Volume: 269, Issue: 1, Pages: 288-325, ISSN: 0022-0396, eISSN: 1090-2732, 2020;	2.192 / Q1
13.	Biba, D.R., Ancuti, M.C., Ianovici, A., Sorandaru, C., Musuroi, S. Power Supply Platform and Functional Safety Concept Proposals for a Powertrain Transmission Electronic Control Unit, ELECTRONICS, Volume: 9, Issue: 10, Article Number: 1580, eISSN: 2079-9292, 2020;	2.412 / Q2
14.	Binzar, T., Pater, F., Nadaban, S. Fuzzy bounded operators with application to Radon transform, CHAOS SOLITONS & FRACTALS, Volume: 141, Article Number: 110359, ISSN: 0960-0779, eISSN: 1873-2887, 2020;	3.764 / Q1



No.	Article	2019 Impact Factor / Quartile in Category
15.	Boncalo, O., Amaricai, A., Lendek, Z. Fault Tolerant Digital Data-Path Design via Control Feedback Loops, <i>ELECTRONICS</i> , Volume: 9, Issue: 10, Article Number: 1721, eISSN: 2079-9292, 2020;	2.412 / Q2
16.	Borlea, A., Borcan, F., Sporea, I., Dehelean, C.A., Negrea, R., Cotoi, L., Stoian, D. TI-RADS Diagnostic Performance: Which Algorithm is Superior and How Elastography and 4D Vascularity Improve the Malignancy Risk Assessment, <i>DIAGNOSTICS</i> , Volume: 10, Issue: 4, Article Number: 180, PubMed ID: 32225078, eISSN: 2075-4418, 2020;	3.11 / Q1
17.	Bosioc, A.I., Tanasa, C. Experimental study of swirling flow from conical diffusers using the water jet control method, <i>RENEWABLE ENERGY</i> , Volume: 152, Pages: 385-398, ISSN: 0960-1481, 2020;	6.274 / Q1
18.	Bota, C., Caruntu, B., Tucu, D., Lapadat, M., Pasca, M.S. A Least Squares Differential Quadrature Method for a Class of Nonlinear Partial Differential Equations of Fractional Order, <i>MATHEMATICS</i> , Volume: 8, Issue: 8, Article Number: 1336, eISSN: 2227-7390, 2020;	1.747 / Q1
19.	Brighenti, R., Cosma, M.P., Marsavina, L., Spagnoli, A., Terzano, M. Laser-based additively manufactured polymers: a review on processes and mechanical models, <i>JOURNAL OF MATERIALS SCIENCE</i> , Volume: 56, Issue: 2, Pages: 961-998, ISSN: 0022-2461, eISSN: 1573-4803, 2020;	3.553 / Q2
20.	Bucur, A.I., Linul, E., Taranu, B.O. Hydroxyapatite coatings on Ti substrates by simultaneous precipitation and electrodeposition, <i>APPLIED SURFACE SCIENCE</i> , Volume: 527, Article Number: 146820, ISSN: 0169-4332, eISSN: 1873-5584, 2020;	6.182 / Q1
21.	Buda, V., Baul, B., Andor, M., Man, D.E., Ledeti, A., Vlase, G., Vlase, T., Danciu, C., Matusz, P., Peter, F., Ledeti, I. Solid State Stability and Kinetics of Degradation for Candesartan-Pure Compound and Pharmaceutical Formulation, <i>PHARMACEUTICS</i> , Volume: 12, Issue: 2, Article Number: 86, PubMed ID: 31972960, eISSN: 1999-4923, 2020;	4.421 / Q1
22.	Buncianu, D., Tessier-Doyen, N., Absi, J., Negru, R., Serban, D.A., Marsavina, L. Multi-Scale Mechanical Behaviour of a Highly Porous Alumina Based Foam, <i>METALS AND MATERIALS INTERNATIONAL</i> , Volume: 26, Issue: 10, Pages: 1524-1532, ISSN: 1598-9623, eISSN: 2005-4149, 2020;	1.99 / Q2
23.	Buriac, O., Ciopec, M., Duteanu, N., Negrea, A., Negrea, P., Grozav, I. Platinum (IV) Recovery from Waste Solutions by Adsorption onto Dibenzo-30-crown-10 Ether Immobilized on Amberlite XAD7 Resin-Factorial Design Analysis, <i>MOLECULES</i> , Volume: 25, Issue: 16, Article Number: 3692, PubMed ID: 32823592, eISSN: 1420-3049, 2020;	3.267 / Q2
24.	Buse, C., Lupulescu, V., O'Regan, D. Hyers-Ulam stability for equations with differences and differential equations with time-dependent and periodic coefficients, <i>PROCEEDINGS OF THE ROYAL SOCIETY OF EDINBURGH SECTION A-MATHEMATICS</i> , Volume: 150, Issue: 5, Pages: 2175-2188, ISSN: 0308-2105, eISSN: 1473-7124, 2020;	1.009 / Q2
25.	Buse, C., O'Regan, D. Discrete integral conditions for weak trajectories and asymptotic stability for operators in Banach spaces, <i>BULLETIN DES SCIENCES MATHÉMATIQUES</i> , Volume: 158, Article Number: 102805, ISSN: 0007-4497, eISSN: 1952-4773, 2020;	1.241 / Q2
26.	Busoniu, L., Varma, V.S., Loheac, J., Codrean, A., Stefan, O., Morarescu, I.C., Lasaulce, S. Learning control for transmission and navigation with a mobile robot under unknown communication rates, <i>CONTROL ENGINEERING PRACTICE</i> , Volume: 100, Article Number: 104460, ISSN: 0967-0661, eISSN: 1873-6939, 2020;	3.193 / Q2
27.	Buzatu, A.R., Frissen, A.E., van den Broek, L.A.M., Todea, A., Motoc, M., Boeriu, C.G. Chemoenzymatic Synthesis of New Aromatic Esters of Mono- and Oligosaccharides, <i>PROCESSES</i> , Volume: 8, Issue: 12, Article Number: 1638, eISSN: 2227-9717, 2020;	2.753 / Q2
28.	Cadariu, L., Popa, D., Rasa, I. Ulam Stability of a Second Linear Differential Operator with Nonconstant Coefficients, <i>SYMMETRY-BASEL</i> , Volume: 12, Issue: 9, Article Number: 1451, eISSN: 2073-8994, 2020;	2.645 / Q2

No.	Article	2019 Impact Factor / Quartile in Category
29.	Capota, E.A., Stangaciu, C.S., Micea, M.V., Curiac, D.I. Towards Fully Jitterless Applications: Periodic Scheduling in Multiprocessor MCSs Using a Table-Driven Approach, APPLIED SCIENCES-BASEL, Volume: 10, Issue: 19, Article Number: 6702, eISSN: 2076-3417, 2020;	2.474 / Q2
30.	Carstoiu, G., Micea, M.V., Ungurean, L., Marcu, M. Novel battery wear leveling method for large-scale reconfigurable battery packs, INTERNATIONAL JOURNAL OF ENERGY RESEARCH, Volume: 45, Issue: 2, Pages: 1932-1947, ISSN: 0363-907X, eISSN: 1099-114X, 2020;	3.741 / Q1
31.	Cebucean, D., Cebucean, V., Ionel, I. Modeling and performance analysis of subcritical and supercritical coal-fired power plants with biomass co-firing and CO2 capture, CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY, Volume: 22, Issue: 1, Pages: 153-169, ISSN: 1618-954X, eISSN: 1618-9558, 2020;	2.429 / Q2
32.	Chirita-Emandi, A., Andreescu, N., Zimbru, C.G., Tutac, P., Arghirescu, S., Serban, M., Puiu, M. Challenges in reporting pathogenic/potentially pathogenic variants in 94 cancer predisposing genes - in pediatric patients screened with NGS panels, SCIENTIFIC REPORTS, Volume: 10, Issue: 1, Article Number: 223, PubMed ID: 31937788, ISSN: 2045-2322, 2020;	3.998 / Q1
33.	Ciopec, M., Gabor, A., Davidescu, C.M., Negrea, A., Negrea, P., Duteanu, N. Eu(III) removal by tetrabutylammonium di-hydrogen phosphate (TBAH2P) functionalized polymers, ARABIAN JOURNAL OF CHEMISTRY, Volume: 13, Issue: 1, Pages: 3534-3545, ISSN: 1878-5352, eISSN: 1878-5379, 2020;	4.762 / Q2
34.	Cividino, S., Halbac-Cotoara-Zamfir, R., Salvati, L. Revisiting the "City Life Cycle": Global Urbanization and Implications for Regional Development, SUSTAINABILITY, Volume: 12, Issue: 3, Article Number: 1151, eISSN: 2071-1050, 2020;	2.576 / Q2
35.	Cochei, L., Lupa, L., Tolea, N.S., Muntean, C., Negrea, P. Sequential use of ionic liquid functionalized Zn-Al layered double hydroxide as adsorbent and photocatalyst, SEPARATION AND PURIFICATION TECHNOLOGY, Volume: 250, Article Number: 117104, ISSN: 1383-5866, eISSN: 1873-3794, 2020;	5.774 / Q1
36.	Cornea, O., Hulea, D., Muntean, N., Andreescu, G.D. Step-Down Switched-Inductor Hybrid DC-DC Converter for Small Power Wind Energy Conversion Systems With Hybrid Storage, IEEE ACCESS, Volume: 8, Pages: 136092-136107, ISSN: 2169-3536, 2020;	3.745 / Q1
37.	Covaci, C., Gontean, A. Piezoelectric Energy Harvesting Solutions: A Review, SENSORS, Volume: 20, Issue: 12, Article Number: 3512, PubMed ID: 32575888, eISSN: 1424-8220, 2020;	3.275 / Q1
38.	Craciunescu, C.M., Kohl, M., Ercuta, A. Micro-actuation design in VO2-based bimorph cantilevers, SMART MATERIALS AND STRUCTURES, Volume: 29, Issue: 11, Article Number: 115035, ISSN: 0964-1726, eISSN: 1361-665X, 2020;	3.613 / Q1
39.	Croitoru, C., Pop, M.A., Bedo, T., Cosnita, M., Roata, I.C., Hulka, I. Physically Crosslinked Poly (Vinyl Alcohol)/ Kappa-Carrageenan Hydrogels: Structure and Applications, POLYMERS, Volume: 12, Issue: 3, Article Number: 560, PubMed ID: 32138357, eISSN: 2073-4360, 2020;	3.426 / Q1
40.	Croitoru, C., Roata, I.C., Pascu, A., Stanciu, E.M., Hulka, I., Stoian, G., Lupu, N. Photocatalytic surfaces obtained through one-step thermal spraying of titanium, APPLIED SURFACE SCIENCE, Volume: 504, Article Number: 144173, ISSN: 0169-4332, eISSN: 1873-5584, 2020;	6.182 / Q1
41.	Cveticanin, D., Herisanu, N., Biro, I., Zukovic, M., Cveticanin, L. Vibration of the Biomass Boiler Tube Excited with Impact of the Cleaning Device, MATHEMATICS, Volume: 8, Issue: 9, Article Number: 1519, eISSN: 2227-7390, 2020;	1.747 / Q1

No.	Article	2019 Impact Factor / Quartile in Category
42.	Daianu, D.M., Mindruta, C. Sections in functional equations, <i>AEQUATIONES MATHEMATICAE</i> , Volume: 94, Issue: 5, Pages: 931-943, ISSN: 0001-9054, eISSN: 1420-8903, 2020;	0.851 / Q2
43.	Don, R., Ciutina, A., Vulcu, C., Stratan, A. Seismic-resistant slim-floor beam-to-column joints: experimental and numerical investigations, <i>STEEL AND COMPOSITE STRUCTURES</i> , Volume: 37, Issue: 3, Pages: 307-321, ISSN: 1229-9367, eISSN: 1598-6233, 2020;	4.394 / Q1
44.	Dragicevic, D., Pecek, N.J., Lupa, N. Admissibility and general dichotomies for evolution families, <i>ELECTRONIC JOURNAL OF QUALITATIVE THEORY OF DIFFERENTIAL EQUATIONS</i> , Issue: 58, Pages: 1-19, ISSN: 1417-3875, 2020;	1.827 / Q1
45.	Dragomir, G.M., Cernicova-Buca, M., Gherhes, V., Cismariu, L. Engineering Students' Human Values as Rhizomatic Lines of Sustainability, <i>SUSTAINABILITY</i> , Volume: 12, Issue: 18, Article Number: 7417, eISSN: 2071-1050, 2020;	2.576 / Q2
46.	Dumitru, R., Negrea, S., Ianculescu, A., Pacurariu, C., Vasile, B., Surdu, A., Manea, F. Lanthanum Ferrite Ceramic Powders: Synthesis, Characterization and Electrochemical Detection Application, <i>MATERIALS</i> , Volume: 13, Issue: 9, Article Number: 2061, PubMed ID: 32365678, eISSN: 1996-1944, 2020;	3.057 / Q2
47.	Egidi, G., Halbac-Cotoara-Zamfir, R., Cividino, S., Quaranta, G., Salvati, L., Colantoni, A. Rural in Town: Traditional Agriculture, Population Trends, and Long-Term Urban Expansion in Metropolitan Rome, <i>LAND</i> , Volume: 9, Issue: 2, Article Number: 53, eISSN: 2073-445X, 2020;	2.429 / Q2
48.	Ene, R.D., Pop, C., Petrisor, C. Systematic Review of Geometrical Approaches and Analytical Integration for Chen's System, <i>MATHEMATICS</i> , Volume: 8, Issue: 9, Article Number: 1530, eISSN: 2227-7390, SEP 2020;	1.747 / Q1
49.	Epasto, G., Distefano, F., Gu, L.X., Mozafari, H., Linul, E. Design and optimization of Metallic Foam Shell protective device against flying ballast impact damage in railway axles, <i>MATERIALS &amp; DESIGN</i> , Volume: 196, Article Number: 109120, ISSN: 0264-1275, eISSN: 1873-4197, 2020;	6.289 / Q1
50.	Erdelyi, R.A., Duma, V.F., Sinescu, C., Dobre, G.M., Bradu, A., Podoleanu, A. Dental Diagnosis and Treatment Assessments: Between X-rays Radiography and Optical Coherence Tomography, <i>MATERIALS</i> , Volume: 13, Issue: 21, Article Number: 4825, PubMed ID: 33126714, eISSN: 1996-1944, 2020;	3.057 / Q2
51.	Fagadar-Cosma, E., Plesu, N., Lascu, A., Anghel, D., Cazacu, M., Ianasi, C., Fagadar-Cosma, G., Fratilescu, I., Epuran, C. Novel Platinum-Porphyrin as Sensing Compound for Efficient Fluorescent and Electrochemical Detection of H <sub>2</sub> O <sub>2</sub> , <i>CHEMOSENSORS</i> , Volume: 8, Issue: 2, Article Number: 29, eISSN: 2227-9040, 2020;	3.108 / Q1
52.	Farcas, C.G., Dehelean, C., Pinzaru, I.A., Mioc, M., Socoliuc, V., Moaca, E.A., Avram, S., Ghiulai, R., Coricovac, D., Pavel, I., Alla, P.K., Cretu, O.M., Soica, C., Loghin, F. Thermosensitive Betulinic Acid-Loaded Magnetoliposomes: A Promising Antitumor Potential for Highly Aggressive Human Breast Adenocarcinoma Cells Under Hyperthermic Conditions, <i>INTERNATIONAL JOURNAL OF NANOMEDICINE</i> , Volume: 15, Pages: 8175-8200, PubMed ID: 33122905, ISSN: 1178-2013, 2020;	5.115 / Q1
53.	Fiedler, T., Al-Sahlani, K., Linul, P.A., Linul, E. Mechanical properties of A356 and ZA27 metallic syntactic foams at cryogenic temperature, <i>JOURNAL OF ALLOYS AND COMPOUNDS</i> , Volume: 813, Article Number: 152181, ISSN: 0925-8388, eISSN: 1873-4669, 2020;	4.65 / Q1
54.	Filip, I., Dragan, F., Szeidert, I., Albu, A. Minimum-Variance Control System with Variable Control Penalty Factor, <i>APPLIED SCIENCES-BASEL</i> , Volume: 10, Issue: 7, Article Number: 2274, eISSN: 2076-3417, 2020;	2.474 / Q2
55.	Forton, A., Mangiafico, S., Sauzeat, C., Di Benedetto, H., Marc, P. Properties of blends of fresh and RAP binders with rejuvenator: Experimental and estimated results, <i>CONSTRUCTION AND BUILDING MATERIALS</i> , Volume: 236, Article Number: 117555, ISSN: 0950-0618, eISSN: 1879-0526, 2020;	4.419 / Q1

No.	Article	2019 Impact Factor / Quartile in Category
56.	Frigura-Iliasa, M., Baloi, F.I., Frigura-Iliasa, F.M., Simo, A., Musuroi, S., Andea, P. Health-Related Electromagnetic Field Assessment in the Proximity of High Voltage Power Equipment, APPLIED SCIENCES-BASEL, Volume: 10, Issue: 1, Article Number: 260, eISSN: 2076-3417, 2020;	2.474 / Q2
57.	Gherhes, V., Dragomir, G.M., Cernicova-Buca, M. Migration Intentions of Romanian Engineering Students, SUSTAINABILITY, Volume: 12, Issue: 12, Article Number: 4846, eISSN: 2071-1050, 2020;	2.576 / Q2
58.	Glevitzky, M., Aleya, L., Vica, M.L., Dumitrel, G.A., Avram, M., Tit, D.M., Popa, M., Popa, V.C., Behl, T., Bungau, S. Assessing the microbiological contamination along with environmental factors of old books in the 1490-founded Bistrita Monastery, Romania, ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, Volume: 28, Issue: 7, Pages: 8743-8757, PubMed ID: 33070291, ISSN: 0944-1344, eISSN: 1614-7499, 2020;	3.056 / Q2
59.	Groza, B., Popa, L., Murvay, P.S. Highly Efficient Authentication for CAN by Identifier Reallocation With Ordered CMACs, IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, Volume: 69, Issue: 6, Pages: 6129-6140, ISSN: 0018-9545, eISSN: 1939-9359, 2020;	5.379 / Q1
60.	Groza, B., Berdich, A., Jichici, C., Mayrhofer, R. Secure Accelerometer-Based Pairing of Mobile Devices in Multi-Modal Transport, IEEE ACCESS, Volume: 8, Pages: 9246-9259, ISSN: 2169-3536, 2020;	3.745 / Q1
61.	Groza, B., Andreica, T., Berdich, A., Murvay, P.S., Gurban, E.H. PRESTvO: Privacy Enabled Smartphone Based Access to Vehicle On-Board Units, IEEE ACCESS, Volume: 8, Pages: 119105-119122, ISSN: 2169-3536, 2020;	3.745 / Q1
62.	Gurban, D. Radial non-potential Dirichlet systems with mean curvature operator in Minkowski space, POSITIVITY, Volume: 25, Issue: 1, ISSN: 1385-1292, eISSN: 1572-9281, 2020;	1.005 / Q2
63.	Hadaruga, N.G., Szakal, R.N., Chirila, C.A., Lukinich-Gruia, A.T., Paunescu, V., Muntean, C., Rusu, G., Bujanca, G., Hadaruga, D.I. Complexation of Danube common nase (Chondrostoma nasus L.) oil by beta-cyclodextrin and 2-hydroxypropyl-beta-cyclodextrin, FOOD CHEMISTRY, Volume: 303, Article Number: 125419, PubMed ID: 31470276, ISSN: 0308-8146, eISSN: 1873-7072, 2020;	6.306 / Q1
64.	Halbac-Cotoara-Zamfir, R., Egidi, G., Mosconi, E.M., Poponi, S., Alhusein, A., Salvati, L. Uncovering Demographic Trends and Recent Urban Expansion in Metropolitan Regions: A Paradigmatic Case Study, SUSTAINABILITY, Volume: 12, Issue: 9, Article Number: 3937, eISSN: 2071-1050, 2020;	2.576 / Q2
65.	Halbac-Cotoara-Zamfir, R., Cividino, S., Egidi, G., Salvia, R., Salvati, L. Rapidity of Change in Population Age Structures: A Local Approach Based on Multiway Factor Analysis, SUSTAINABILITY, Volume: 12, Issue: 7, Article Number: 2828, eISSN: 2071-1050, 2020;	2.576 / Q2
66.	Hegyi, A., Sarris, A., Curta, F., Floca, C., Fortiu, S., Urdea, P., Onaca, A., Timofte, F., Pisz, M., Timut, S., Nica, M., Maciulschi, D., Stavila, A. Deserted Medieval Village Reconstruction Using Applied Geosciences, REMOTE SENSING, Volume: 12, Issue: 12, Article Number: 1975, eISSN: 2072-4292, 2020;	4.509 / Q2
67.	Heinosaari, T., Jivulescu, M.A., Nechita, I. Random positive operator valued measures, JOURNAL OF MATHEMATICAL PHYSICS, Volume: 61, Issue: 4, ISSN: 0022-2488, eISSN: 1089-7658, 2020;	1.317 / Q2
68.	Herisanu, N., Marinca, V. An effective analytical approach to nonlinear free vibration of elastically actuated microtubes, MECCANICA, ISSN: 0025-6455, eISSN: 1572-9648, 2020;	2.153 / Q2
69.	Herisanu, N., Marinca, V. An Efficient Analytical Approach to Investigate the Dynamics of a Misaligned Multirotor System, MATHEMATICS, Volume: 8, Issue: 7, Article Number: 1083, eISSN: 2227-7390, 2020;	1.747 / Q1
70.	Hulka, I., Utu, D., Serban, V.A., Negrea, P., Lukac, F., Chraska, T. Effect of Ti addition on microstructure and corrosion properties of laser cladded WC-Co/NiCrBSi(Ti) coatings, APPLIED SURFACE SCIENCE, Volume: 504, Article Number: 144349, ISSN: 0169-4332, eISSN: 1873-5584, 2020;	6.182 / Q1

No.	Article	2019 Impact Factor / Quartile in Category
71.	Ioana, A., Korodi, A. Improving OPC UA Publish-Subscribe Mechanism over UDP with Synchronization Algorithm and Multithreading Broker Application, SENSORS, Volume: 20, Issue: 19, Article Number: 5591, PubMed ID: 33003549, eISSN: 1424-8220, 2020;	3.275 / Q1
72.	Ioana, A., Korodi, A. OPC UA Publish-Subscribe and VSOME/IP Notify-Subscribe Based Gateway Application in the Context of Car to Infrastructure Communication, SENSORS, Volume: 20, Issue: 16, Article Number: 4624, PubMed ID: 32824493, eISSN: 1424-8220, 2020;	3.275 / Q1
73.	Ionitescu, M., Vermesan, D., Haragus, H., Suci, O., Todor, A., Dumitrascu, C.V., Negrea, R., Hoinoiu, T., Radu, D., Fruja, D. Association of Neutrophil to Lymphocyte Ratio with Patient Reported Outcomes in Knee Osteoarthritis, APPLIED SCIENCES-BASEL, Volume: 10, Issue: 22, Article Number: 8173, eISSN: 2076-3417, 2020;	2.474 / Q2
74.	Isfanuti, A.S., Tutelea, L.N., Boldea, I., Staudt, T., da Silva, P.E. Outer Ferrite-PM-Rotor BLAC Motor Characterization: FEM-Assisted Optimal Design and Preliminary Experiments, IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Volume: 56, Issue: 3, Pages: 2580-2589, ISSN: 0093-9994, eISSN: 1939-9367, 2020;	3.488 / Q1
75.	Ivascu, L. Measuring the Implications of Sustainable Manufacturing in the Context of Industry 4.0, PROCESSES, Volume: 8, Issue: 5, Article Number: 585, eISSN: 2227-9717, 2020;	2.753 / Q2
76.	Karagiorgis, S., Tsamis, A., Voutouri, C., Turcu, R., Porav, S.A., Socoliuc, V., Vekas, L., Louca, M., Stylianopoulos, T., Vavourakis, V., Krasia-Christoforou, T. Engineered magnetoactive collagen hydrogels with tunable and predictable mechanical response, MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, Volume: 114, Article Number: 111089, PubMed ID: 32994019, ISSN: 0928-4931, eISSN: 1873-0191, 2020;	5.88 / Q1
77.	Khezrzadeh, O., Mirzaee, O., Emadoddin, E., Linul, E. Anisotropic Compressive Behavior of Metallic Foams under Extreme Temperature Conditions, MATERIALS, Volume: 13, Issue: 10, Article Number: 2329, PubMed ID: 32438755, eISSN: 1996-1944, 2020;	3.057 / Q2
78.	Kiss, G., Rusu, G., Peter, F., Tanase, I., Bandur, G. Recovery of Flexible Polyurethane Foam Waste for Efficient Reuse in Industrial Formulations, POLYMERS, Volume: 12, Issue: 7, Article Number: 1533, PubMed ID: 32664336, eISSN: 2073-4360, 2020;	3.426 / Q1
79.	Kolumban-Antal, G., Lasak, V., Bogdan, R., Groza, B. A Secure and Portable Multi-Sensor Module for Distributed Air Pollution Monitoring, SENSORS, Volume: 20, Issue: 2, Article Number: 403, PubMed ID: 31936847, eISSN: 1424-8220, 2020;	3.275 / Q1
80.	Korodi, A., Anitei, D., Boitor, A., Silea, I. Image-Processing-Based Low-Cost Fault Detection Solution for End-of-Line ECUs in Automotive Manufacturing, SENSORS, Volume: 20, Issue: 12, Article Number: 3520, PubMed ID: 32580271, eISSN: 1424-8220, 2020;	3.275 / Q1
81.	Korodi, A., Crisan, R., Nicolae, A., Silea, I. Industrial Internet of Things and Fog Computing to Reduce Energy Consumption in Drinking Water Facilities, PROCESSES, Volume: 8, Issue: 3, Article Number: 282, eISSN: 2227-9717, 2020;	2.753 / Q2
82.	Lascu, C., Andreescu, G.D. PLL Position and Speed Observer With Integrated Current Observer for Sensorless PMSM Drives, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Volume: 67, Issue: 7, Pages: 5990-5999, ISSN: 0278-0046, eISSN: 1557-9948, 2020;	7.515 / Q1
83.	Lascu, C., Argeseanu, A., Blaabjerg, F. Supertwisting Sliding-Mode Direct Torque and Flux Control of Induction Machine Drives, IEEE TRANSACTIONS ON POWER ELECTRONICS, Volume: 35, Issue: 5, Pages: 5057-5065, ISSN: 0885-8993, eISSN: 1941-0107, 2020;	6.373 / Q1

No.	Article	2019 Impact Factor / Quartile in Category
84.	Ledeti, I., Bengescu, C., Cirioban, D., Vlase, G., Vlase, T., Tomoroga, C., Buda, V., Ledeti, A., Dragomirescu, A., Murariu, M. Solid-state stability and kinetic study of three glucocorticoid hormones: prednisolone, prednisone and cortisone, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, Volume: 141, Issue: 3, Pages: 1053-1065, ISSN: 1388-6150, eISSN: 1588-2926, 2020;	2.731 / Q2
85.	Linul, E., Marsavina, L., Stoia, D.I. Mode I and II fracture toughness investigation of Laser-Sintered Polyamide, THEORETICAL AND APPLIED FRACTURE MECHANICS, Volume: 106, Article Number: 102497, ISSN: 0167-8442, eISSN: 1872-7638, 2020;	3.021 / Q1
86.	Linul, E., Marsavina, L., Valean, C., Banica, R. Static and dynamic mode I fracture toughness of rigid PUR foams under room and cryogenic temperatures, ENGINEERING FRACTURE MECHANICS, Volume: 225, Article Number: 106274, ISSN: 0013-7944, eISSN: 1873-7315, 2020;	3.426 / Q1
87.	Luca, R.E., Giuliani, A., Manescu, A., Heredea, R., Hoinoiu, B., Constantin, G.D., Duma, V.F., Todea, C.D. Osteogenic Potential of Bovine Bone Graft in Combination with Laser Photobiomodulation: An Ex Vivo Demonstrative Study in Wistar Rats by Cross-Linked Studies Based on Synchrotron Microtomography and Histology, INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, Volume: 21, Issue: 3, Article Number: 778, PubMed ID: 31991756, eISSN: 1422-0067, 2020;	4.556 / Q1
88.	Lupa, L., Cochei, L., Trica, B., Coroaba, A., Popa, A. Photodegradation of Phenolic Compounds from Water in the Presence of a Pd-Containing Exhausted Adsorbent, APPLIED SCIENCES-BASEL, Volume: 10, Issue: 23, Article Number: 8440, eISSN: 2076-3417, 2020;	2.474 / Q2
89.	Lupa, N. A New Approach on Datko-Zabczyk Method for Nonuniform Exponential Stability, MATHEMATICS, Volume: 8, Issue: 7, Article Number: 1095, eISSN: 2227-7390, 2020;	1.747 / Q1
90.	Lupa, N., Popescu, L.H. Admissible Banach Function Spaces and Nonuniform Stabilities, MEDITERRANEAN JOURNAL OF MATHEMATICS, Volume: 17, Issue: 4, Article Number: 105, ISSN: 1660-5446, eISSN: 1660-5454, 2020;	1.216 / Q1
91.	Manolescu, L. Ulam's Type Stability and Generalized Norms, SYMMETRY-BASEL, Volume: 12, Issue: 4, Article Number: 502, eISSN: 2073-8994, 2020;	2.645 / Q2
92.	Marian, E., Tita, B., Duteanu, N., Vicas, L., Ciocan, S., Jurca, T., Antal, L., Tica, O., Muresan, M., Pallag, A., Micle, O. Antimicrobial activity of fusidic acid inclusion complexes, INTERNATIONAL JOURNAL OF INFECTIOUS DISEASES, Volume: 101, Pages: 65-73, PubMed ID: 33011279, ISSN: 1201-9712, eISSN: 1878-3511, 2020;	3.202 / Q2
93.	Marian, E., Duteanu, N., Vicas, L., Rusu, G., Jurca, T., Muresan, M., Micle, O., Hangan, A.C., Stan, R.L., Ionescu, C., Sevastre, B., Pall, E. Synthesis, characterization of inclusion compounds of amygdalin with beta-cyclodextrin and sod-like activity and cytotoxicity on hela tumor cells, ARABIAN JOURNAL OF CHEMISTRY, Volume: 13, Issue: 8, Pages: 6828-6837, ISSN: 1878-5352, eISSN: 1878-5379, 2020;	4.762 / Q2
94.	Marinca, V., Herisanu, N. Optimal Auxiliary Functions Method for a Pendulum Wrapping on Two Cylinders, MATHEMATICS, Volume: 8, Issue: 8, Article Number: 1364, eISSN: 2227-7390, 2020;	1.747 / Q1
95.	Marinca, V., Herisanu, N. Construction of Analytic Solution to Axisymmetric Flow and Heat Transfer on a Moving Cylinder, SYMMETRY-BASEL, Volume: 12, Issue: 8, Article Number: 1335, eISSN: 2073-8994, 2020;	2.645 / Q2
96.	Marsavina, L., Linul, E. Fracture toughness of rigid polymeric foams: A review, FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES, Volume: 43, Issue: 11, Pages: 2483-2514, ISSN: 8756-758X, eISSN: 1460-2695, 2020;	3.031 / Q1

No.	Article	2019 Impact Factor / Quartile in Category
97.	Miclea, R.C., Dughir, C., Alexa, F., Sandru, F., Silea, I. Laser and LIDAR in a System for Visibility Distance Estimation in Fog Conditions, SENSORS, Volume: 20, Issue: 21, Article Number: 6322, PubMed ID: 33167586, eISSN: 1424-8220, 2020;	3.275 / Q1
98.	Milici, C., Machado, J.T., Draganescu, G. Application of the Euler and Runge-Kutta Generalized Methods for FDE and Symbolic Packages in the Analysis of Some Fractional Attractors, INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION, Volume: 21, Issue: 2, Pages: 159-170, ISSN: 1565-1339, eISSN: 2191-0294, 2020;	1.467 / Q2
99.	Militaru, B.A., Pode, R., Lupa, L., Schmidt, W., Tekle-Roettering, A., Kazamer, N. Using Sewage Sludge Ash as an Efficient Adsorbent for Pb (II) and Cu (II) in Single and Binary Systems, MOLECULES, Volume: 25, Issue: 11, Article Number: 2559, PubMed ID: 32486401, eISSN: 1420-3049, 2020;	3.267 / Q2
100.	Mirsu, R., Simion, G., Căleanu, C.D., Pop-Călimanu, I.M. A PointNet-Based Solution for 3D Hand Gesture Recognition, SENSORS, Volume: 20, Issue: 11, Article Number: 3226, PubMed ID: 32517141, eISSN: 1424-8220, 2020;	3.275 / Q1
101.	Mosoarca, G., Vancea, C., Popa, S., Gheju, M., Boran, S. Syringa vulgaris leaves powder a novel low-cost adsorbent for methylene blue removal: isotherms, kinetics, thermodynamic and optimization by Taguchi method, SCIENTIFIC REPORTS, Volume: 10, Issue: 1, Article Number: 17676, PubMed ID: 33077788, ISSN: 2045-2322, 2020;	3.998 / Q1
102.	Mosoarca, G., Vancea, C., Popa, S., Boran, S., Tanasie, C. A green approach for treatment of wastewater with manganese using wood ash, JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, Volume: 95, Issue: 6, Pages: 1781-1789, ISSN: 0268-2575, eISSN: 1097-4660, 2020;	2.75 / Q2
103.	Mosoarca, M., Onescu, I., Onescu, E., Anastasiadis, A. Seismic vulnerability assessment methodology for historic masonry buildings in the near-field areas, ENGINEERING FAILURE ANALYSIS, Volume: 115, Article Number: 104662, ISSN: 1350-6307, eISSN: 1873-1961, 2020;	2.897 / Q1
104.	Muntean, R., Pascal, D.T., Rost, U., Marginean, G., Brodmann, M., Vaszilcsin, N. Synthesis and characterisation of platinum-cobalt-manganese ternary alloy catalysts supported on carbon nanofibers: An alternative catalyst for hydrogen evolution reaction, INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, Volume: 45, Issue: 49, Special Issue: SI, Pages: 26217-26225, ISSN: 0360-3199, eISSN: 1879-3487, 2020;	4.939 / Q2
105.	Murvay, P.S., Groza, B. Efficient Physical Layer Key Agreement for FlexRay Networks, IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, Volume: 69, Issue: 9, Pages: 9767-9780, ISSN: 0018-9545, eISSN: 1939-9359, 2020;	5.379 / Q1
106.	Murvay, P.S., Groza, B. TIDAL-CAN: Differential Timing Based Intrusion Detection and Localization for Controller Area Network, IEEE ACCESS, Volume: 8, Pages: 68895-68912, ISSN: 2169-3536, 2020;	3.745 / Q1
107.	Nagornyi, A.V., Socoliuc, V., Petrenko, V.I., Almasy, L., Ivankov, O.I., Avdeev, M.V., Bulavin, L.A., Vekas, L. Structural characterization of concentrated aqueous ferrofluids, JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, Volume: 501, Article Number: 166445, ISSN: 0304-8853, eISSN: 1873-4766, 2020;	2.717 / Q2
108.	Negirla, P., Druta, R., Silea, I. Availability Improvements through Data Slicing in PLC Smart Grid Networks, SENSORS, Volume: 20, Issue: 24, Article Number: 7256, PubMed ID: 33348872, eISSN: 1424-8220, 2020;	3.275 / Q1
109.	Negrea, A., Mihailescu, M., Mosoarca, G., Ciopec, M., Duteanu, N., Negrea, P., Minzatu, V. Estimation on Fixed-Bed Column Parameters of Breakthrough Behaviors for Gold Recovery by Adsorption onto Modified/Functionalized Amberlite XAD7, INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH, Volume: 17, Issue: 18, Article Number: 6868, PubMed ID: 32962235, eISSN: 1660-4601, 2020;	2.849 / Q1

No.	Article	2019 Impact Factor / Quartile in Category
110.	Negrea, P., Gabor, A., Davidescu, C.M., Ciopec, M., Negrea, A., Duteanu, N. Kinetics and thermodynamics modeling of Nd(III) removal from aqueous solution using modified Amberlite XAD7, JOURNAL OF RARE EARTHS, Volume: 38, Issue: 3, Pages: 306-314, ISSN: 1002-0721, 2020;	3.104 / Q2
111.	Negrea, R. On a class of nonlinear stochastic integral equations, NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS, Volume: 54, Article Number: 103104, ISSN: 1468-1218, 2020;	2.072 / Q1
112.	Negrea, R. On the functional equation $f(x+y) = f(x) + f(y)$ , MONATSHEFTE FÜR MATHEMATIK, Volume: 191, Issue: 3, Pages: 635-637, ISSN: 0026-9255, eISSN: 1436-5081, 2020;	0.933 / Q2
113.	Negrea, R. On a nonlinear stochastic integral equation, MONATSHEFTE FÜR MATHEMATIK, Volume: 192, Issue: 4, Pages: 905-914, ISSN: 0026-9255, eISSN: 1436-5081, 2020;	0.933 / Q2
114.	Nichita, I., Lupa, L., Visa, A., Popa, A. One-pot synthesis, characterization and in vitro antibacterial evaluation of bioactive "aminophosphinic acid" groups grafted onto polymeric-support, POLYMER BULLETIN, ISSN: 0170-0839, eISSN: 1436-2449, 2020;	2.014 / Q2
115.	Nicola, R., Costisor, O., Ciopec, M., Negrea, A., Lazau, R., Ianasi, C., Piciorus, E.M., Len, A., Almasy, L., Szerb, E.I., Putz, A.M. Silica-Coated Magnetic Nanocomposites for Pb <sup>2+</sup> Removal from Aqueous Solution, APPLIED SCIENCES-BASEL, Volume: 10, Issue: 8, Article Number: 2726, eISSN: 2076-3417, 2020;	2.474 / Q2
116.	Nicolae, A., Korodi, A., Silea, I. Weather-Based Prediction Strategy inside the Proactive Historian with Application in Wastewater Treatment Plants, APPLIED SCIENCES-BASEL, Volume: 10, Issue: 9, Article Number: 3015, eISSN: 2076-3417, 2020;	2.474 / Q2
117.	Onchis, D.M., Istin, C., Tudoran, C., Tudoran, M., Real, P. Timely-Automatic Procedure for Estimating the Endocardial Limits of the Left Ventricle Assessed Echocardiographically in Clinical Practice, DIAGNOSTICS, Volume: 10, Issue: 1, Article Number: 40, PubMed ID: 31941079, eISSN: 2075-4418, 2020;	3.11 / Q1
118.	Osaci, M., Cacciola, M. Influence of the magnetic nanoparticle coating on the magnetic relaxation time, BEILSTEIN JOURNAL OF NANOTECHNOLOGY, Volume: 11, Pages: 1207-1216, PubMed ID: 32832316, ISSN: 2190-4286, 2020;	2.612 / Q2
119.	Pana, A., Baloi, A., Molnar-Matei, F. New method for calculating the susceptances of a balancing capacitive compensator for a three-phase four-wire distribution network, INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, Volume: 115, Article Number: 105414, ISSN: 0142-0615, eISSN: 1879-3517, 2020;	3.588 / Q1
120.	Pana, A.M., Ordodi, V., Rusu, G., Gherman, V., Bandur, G., Rusnac, L.M., Dumitrel, G.A. Biodegradation Pattern of Glycopolymer Based on D-Mannose Oligomer and Hydroxypropyl Acrylate, POLYMERS, Volume: 12, Issue: 3, Article Number: 704, PubMed ID: 32235772, eISSN: 2073-4360, 2020;	3.426 / Q1
121.	Papaparaskaeva, G., Dinev, M.M., Krasia-Christoforou, T., Turcu, R., Porav, S.A., Balanean, F., Socoliuc, V. White Magnetic Paper with Zero Remanence Based on Electrospun Cellulose Microfibers Doped with Iron Oxide Nanoparticles, NANOMATERIALS, Volume: 10, Issue: 3, Article Number: 517, PubMed ID: 32178410, eISSN: 2079-4991, 2020;	4.324 / Q2
122.	Pascu, B., Negrea, A., Ciopec, M., Davidescu, C.M., Negrea, P., Gherman, V., Duteanu, N. New Generation of Antibacterial Products Based on Colloidal Silver, MATERIALS, Volume: 13, Issue: 7, Article Number: 1578, PubMed ID: 32235381, eISSN: 1996-1944, 2020;	3.057 / Q2
123.	Pascu, B., Ardean, C., Davidescu, C.M., Negrea, A., Ciopec, M., Duteanu, N., Negrea, P., Rusu, G. Modified Chitosan for Silver Recovery-Kinetics, Thermodynamic, and Equilibrium Studies, MATERIALS, Volume: 13, Issue: 3, Article Number: 657, PubMed ID: 32024185, eISSN: 1996-1944, 2020;	3.057 / Q2



No.	Article	2019 Impact Factor / Quartile in Category
124.	Perju-Mitran, A., Zirra, D., Carutasu, G., Pirjan, A., Stanica, J.L. Applying the Technology Acceptance Model to Assess the Intention to Use an Aftermarket eCall Based on 112 Device for Passenger Vehicles to Ensure Sustainable Rescue Operations on European Roads, SUSTAINABILITY, Volume: 12, Issue: 22, Article Number: 9488, eISSN: 2071-1050, 2020;	2.576 / Q2
125.	Pevnaya, M.V., Drozdova, A.A., Cernicova-Buca, M. Making Room for Volunteer Participation in Managing Public Affairs: A Russian Experience, SUSTAINABILITY, Volume: 12, Issue: 24, Article Number: 10229, eISSN: 2071-1050, 2020;	2.576 / Q2
126.	Philippou, K., Christou, C.N., Socoliuc, V., Vekas, L., Tanasa, E., Miclau, M., Pashalidis, I., Krasia-Christoforou, T. Superparamagnetic polyvinylpyrrolidone/chitosan/Fe3O4 electrospun nanofibers as effective U(VI) adsorbents, JOURNAL OF APPLIED POLYMER SCIENCE, Volume: 138, Issue: 15, Article Number: e50212, ISSN: 0021-8995, eISSN: 1097-4628, 2020;	2.52 / Q2
127.	Pietras, D., Linul, E., Sadowski, T., Rusinek, A. Out-of-plane crushing response of aluminum honeycombs in-situ filled with graphene-reinforced polyurethane foam, COMPOSITE STRUCTURES, Volume: 249, Article Number: 112548, ISSN: 0263-8223, eISSN: 1879-1085, 2020;	5.138 / Q1
128.	Pohoryles, D.A., Maduta, C., Bournas, D.A., Kouris, L.A. Energy performance of existing residential buildings in Europe: A novel approach combining energy with seismic retrofitting, ENERGY AND BUILDINGS, Volume: 223, Article Number: 110024, ISSN: 0378-7788, eISSN: 1872-6178, 2020;	4.867 / Q1
129.	Pop, M.D., Prostean, O., David, T.M., Prostean, G. Hybrid Solution Combining Kalman Filtering with Takagi-Sugeno Fuzzy Inference System for Online Car-Following Model Calibration, SENSORS, Volume: 20, Issue: 19, Article Number: 5539, PubMed ID: 32992622, eISSN: 1424-8220, 2020;	3.275 / Q1
130.	Pop-Calimanu, I.M., Balint, M., Lascu, D. A New Hybrid Cuk DC-DC Converter with Coupled Inductors, ELECTRONICS, Volume: 9, Issue: 12, Article Number: 2188, eISSN: 2079-9292, 2020;	2.412 / Q2
131.	Popa, C.A. Dissipativity of impulsive matrix $\mu$ -valued neural networks with leakage delay and mixed delays, NEUROCOMPUTING, Volume: 405, Pages: 85-95, ISSN: 0925-2312, eISSN: 1872-8286, 2020;	4.438 / Q1
132.	Popa, C.A., Kaslik, E. Finite-Time Mittag-Leffler Synchronization of Neutral-Type Fractional-Order Neural Networks with Leakage Delay and Time-Varying Delays, MATHEMATICS, Volume: 8, Issue: 7, Article Number: 1146, eISSN: 2227-7390, 2020;	1.747 / Q1
133.	Popa, C.A. Global $\mu$ -stability of neutral-type impulsive complex-valued BAM neural networks with leakage delay and unbounded time-varying delays, NEUROCOMPUTING, Volume: 376, Pages: 73-94, ISSN: 0925-2312, eISSN: 1872-8286, 2020;	4.438 / Q1
134.	Popa, S., Milea, M.S., Boran, S., Nitu, S.V., Mosoarca, G.E., Vancea, C., Lazau, R.I. Rapid adulteration detection of cold pressed oils with their refined versions by UV-Vis spectroscopy, SCIENTIFIC REPORTS, Volume: 10, Issue: 1, Article Number: 16100, PubMed ID: 32999344, ISSN: 2045-2322, 2020;	3.998 / Q1
135.	Popescu, G., Radulov, I., Iordanescu, O.A., Orboi, M.D., Radulescu, L., Druga, M., Bujanca, G.S., David, I., Hadaruga, D.I., Lucan, C.A., Hadaruga, N.G., Ravis, M. Karl Fischer Water Titration-Principal Component Analysis Approach on Bread Products, APPLIED SCIENCES-BASEL, Volume: 10, Issue: 18, Article Number: 6518, eISSN: 2076-3417, 2020;	2.474 / Q2
136.	Precup, R.E., Roman, R.C., Teban, T.A., Albu, A., Petriu, E.M., Pozna, C. Model-Free Control of Finger Dynamics in Prosthetic Hand Myoelectric-based Control Systems, STUDIES IN INFORMATICS AND CONTROL, Volume: 29, Issue: 4, Pages: 399-410, ISSN: 1220-1766, 2020;	2.102 / Q2

No.	Article	2019 Impact Factor / Quartile in Category
137.	Precup, R.E., Teban, T.A., Albu, A., Borlea, A.B., Zamfirache, I.A., Petriu, E.M. Evolving Fuzzy Models for Prosthetic Hand Myoelectric-Based Control, IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, Volume: 69, Issue: 7, Pages: 4625-4636, ISSN: 0018-9456, eISSN: 1557-9662, 2020;	3.658 / Q1
138.	Pugna, A., Negrea, R., Linul, E., Marsavina, L. Is Fracture Toughness of PUR Foams a Material Property? A Statistical Approach, MATERIALS, Volume: 13, Issue: 21, Article Number: 4868, PubMed ID: 33143072, eISSN: 1996-1944, 2020;	3.057 / Q2
139.	Pugna, A.P., Potra, S.A., Negrea, R. A strategic decision making tool for new product and service design, MANAGEMENT DECISION, Volume: 59, Issue: 2, Pages: 406-425, ISSN: 0025-1747, eISSN: 1758-6070, 2020;	2.723 / Q2
140.	Radac, M.B., Lala, T. Robust Control of Unknown Observable Nonlinear Systems Solved as a Zero-Sum Game, IEEE ACCESS, Volume: 8, Pages: 214153-214165, ISSN: 2169-3536, 2020;	3.745 / Q1
141.	Remes, A., Manea, F., Motoc, S., Baci, A., Szerb, E.I., Gascon, J., Gug, G. Highly Sensitive Non-Enzymatic Detection of Glucose at MWCNT-CuBTC Composite Electrode, APPLIED SCIENCES-BASEL, Volume: 10, Issue: 23, Article Number: 8419, eISSN: 2076-3417, 2020;	2.474 / Q2
142.	Roata, I.C., Croitoru, C., Pascu, A., Stanciu, E.M., Hulka, I., Petre, I., Gabor, C., Patroi, D., Sbarcea, B.G. Surface engineering of Ni-Al coatings through concentrated solar heat treatment, APPLIED SURFACE SCIENCE, Volume: 506, Article Number: 144185, ISSN: 0169-4332, eISSN: 1873-5584, 2020;	6.182 / Q1
143.	Salvia, R., Halbac-Cotoara-Zamfir, R., Cividino, S., Salvati, L., Quaranta, G. From Rural Spaces to Peri-Urban Districts: Metropolitan Growth, Sparse Settlements and Demographic Dynamics in a Mediterranean Region, LAND, Volume: 9, Issue: 6, Article Number: 200, eISSN: 2073-445X, 2020;	2.429 / Q2
144.	Sbarcea, L., Tanase, I.M., Ledeti, A., Circioban, D., Vlase, G., Barvinschi, P., Miclau, M., Varut, R.M., Trandafirescu, C., Ledeti, I. Encapsulation of Risperidone by Methylated beta-Cyclodextrins: Physicochemical and Molecular Modeling Studies, MOLECULES, Volume: 25, Issue: 23, Article Number: 5694, PubMed ID: 33287127, eISSN: 1420-3049, 2020;	3.267 / Q2
145.	Serban, D.A., Furtos, G., Marsavina, L., Sosdean, C., Negru, R. Numerical modelling of the mechanical behaviour of wood fibre-reinforced geopolymers, CONTINUUM MECHANICS AND THERMODYNAMICS, ISSN: 0935-1175, eISSN: 1432-0959, 2020;	2.139 / Q2
146.	Serban, D.A., Negru, R., Filipescu, H., Marsavina, L. Investigations on the influence of the triaxial state of stress on the failure of polyurethane rigid foams, CONTINUUM MECHANICS AND THERMODYNAMICS, ISSN: 0935-1175, eISSN: 1432-0959, 2020;	2.139 / Q2
147.	Shah, S.G.M., Sarfraz, M., Ivascu, L. Assessing the interrelationship corporate environmental responsibility, innovative strategies, cognitive and hierarchical CEO: A stakeholder theory perspective, CORPORATE SOCIAL RESPONSIBILITY AND ENVIRONMENTAL MANAGEMENT, Volume: 28, Issue: 1, Pages: 457-473, ISSN: 1535-3958, eISSN: 1535-3966, 2020;	4.542 / Q1
148.	Simon, S., Stoian, C.E., Gherhes, V. The Concept of Sustainability in the Romanian Top Universities' Strategic Plans, SUSTAINABILITY, Volume: 12, Issue: 7, Article Number: 2757, eISSN: 2071-1050, 2020;	2.576 / Q2
149.	Smuleac, A., Smuleac, L., Man, T.E., Popescu, C.A., Imbrea, F., Radulov, I., Adamov, T., Pascalau, R. Use of Modern Technologies for the Conservation of Historical Heritage in Water Management, WATER, Volume: 12, Issue: 10, Article Number: 2895, eISSN: 2073-4441, 2020;	2.544 / Q2

No.	Article	2019 Impact Factor / Quartile in Category
150.	Stavi, I., Siad, S.M., Kyriazopoulos, A.P., Halbac-Cotoara-Zamfir, R. Water runoff harvesting systems for restoration of degraded rangelands: A review of challenges and opportunities, <i>JOURNAL OF ENVIRONMENTAL MANAGEMENT</i> , Volume: 255, Article Number: 109823, PubMed ID: 31785458, ISSN: 0301-4797, eISSN: 1095-8630, 2020;	5.647 / Q1
151.	Stefanovic, N., Blagojevic, M., Pokrajac, I., Greconici, M., Cen, Y.G., Mladenovic, V. A Symbolic Encapsulation Point as Tool for 5G Wideband Channel Cross-Layer Modeling, <i>ENTROPY</i> , Volume: 22, Issue: 10, Article Number: 1151, PubMed ID: 33286920, eISSN: 1099-4300, 2020;	2.494 / Q2
152.	Stoia, D.L., Marsavina, L., Linul, E. Mode I Fracture Toughness of Polyamide and Alumide Samples obtained by Selective Laser Sintering Additive Process, <i>POLYMERS</i> , Volume: 12, Issue: 3, Article Number: 640, PubMed ID: 32168974, eISSN: 2073-4360, 2020;	3.426 / Q1
153.	Stratan, A., Zub, C.I., Dubina, D. Prequalification of a set of buckling restrained braces: Part I – experimental tests, <i>STEEL AND COMPOSITE STRUCTURES</i> , Volume: 34, Issue: 4, Pages: 547-559, ISSN: 1229-9367, eISSN: 1598-6233, 2020;	4.394 / Q1
154.	Szabo, R.Z., Herceg, I.V., Hanak, R., Hortovanyi, L., Romanova, A., Mocan, M., Djuricin, D. Industry 4.0 Implementation in B2B Companies: Cross-Country Empirical Evidence on Digital Transformation in the CEE Region, <i>SUSTAINABILITY</i> , Volume: 12, Issue: 22, Article Number: 9538, eISSN: 2071-1050, 2020;	2.576 / Q2
155.	Tamas, A., Cozma, I., Cochechi, L., Lupa, L., Rusu, G. Adsorption of Orange II Onto Zn2Al-Layered Double Hydroxide Prepared From Zinc Ash, <i>FRONTIERS IN CHEMISTRY</i> , Volume: 8, Article Number: 573535, PubMed ID: 33425845, ISSN: 2296-2646, 2020;	3.693 / Q2
156.	Tanasa, C., Dan, D., Becchio, C., Corgnati, S.P., Stoian, V. Cost-optimal and indoor environmental quality assessment for residential buildings towards EU long-term climate targets, <i>ENERGY FOR SUSTAINABLE DEVELOPMENT</i> , Volume: 59, Pages: 49-61, ISSN: 0973-0826, eISSN: 2352-4669, 2020;	3.61 / Q2
157.	Tanase, I.M., Sbarcea, L., Ledeti, A., Vlase, G., Barvinschi, P., Varut, R.M., Dragomirescu, A., Axente, C., Ledeti, I. Physicochemical characterization and molecular modeling study of host-guest systems of aripiprazole and functionalized cyclodextrins, <i>JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY</i> , Volume: 141, Issue: 3, Pages: 1027-1039, ISSN: 1388-6150, eISSN: 1588-2926, 2020;	2.731 / Q2
158.	Tanase, I.M., Sbarcea, L., Ledeti, A., Barvinschi, P., Circioban, D., Vlase, G., Varut, R.M., Ledeti, I. Compatibility studies with pharmaceutical excipients for aripiprazole-heptakis (2,6-di-O-methyl)-beta-cyclodextrin supramolecular adduct, <i>JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY</i> , Volume: 142, Issue: 5, Pages: 1963-1976, ISSN: 1388-6150, eISSN: 1588-2926, 2020;	2.731 / Q2
159.	Tekle-Roettering, A., Lim, S., Reisz, E., Lutze, H.V., Abdighahroudi, M.S., Willach, S., Schmidt, W., Tentscher, P.R., Rentsch, D., McArdell, C.S., Schmidt, T.C., von Gunten, U. Reactions of pyrrole, imidazole, and pyrazole with ozone: kinetics and mechanisms, <i>ENVIRONMENTAL SCIENCE-WATER RESEARCH &amp; TECHNOLOGY</i> , Volume: 6, Issue: 4, Pages: 976-992, ISSN: 2053-1400, eISSN: 2053-1419, 2020;	3.449 / Q1
160.	Tigan, G., Lugojan, S., Ciurdariu, L. Analysis of Degenerate Chenciner Bifurcation, <i>INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS</i> , Volume: 30, Issue: 16, Article Number: 2050245, ISSN: 0218-1274, eISSN: 1793-6551, 2020;	2.469 / Q2
161.	Tigan, G., Lazureanu, C., Munteanu, F., Sterbeti, C., Florea, A. Bifurcation diagrams in a class of Kolmogorov systems, <i>NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS</i> , Volume: 56, Article Number: 103154, ISSN: 1468-1218, 2020;	2.072 / Q1

No.	Article	2019 Impact Factor / Quartile in Category
162.	Tiwari, A.K., Adewuyi, A.O., Albulescu, C.T., Wohar, M.E. Empirical evidence of extreme dependence and contagion risk between main cryptocurrencies, NORTH AMERICAN JOURNAL OF ECONOMICS AND FINANCE, Volume: 51, Article Number: 101083, ISSN: 1062-9408, eISSN: 1879-0860, 2020;	1.535 / Q2
163.	Tmusic, G., Manfreda, S., Aasen, H., James, M.R., Goncalves, G., Ben-Dor, E., Brook, A., Polinova, M., Arranz, J.J., Meszaros, J., Zhuang, R.D., Johansen, K., Malbeteau, Y., de Lima, I.P., Davids, C., Herban, S., McCabe, M.F. Current Practices in UAS-based Environmental Monitoring, REMOTE SENSING, Volume: 12, Issue: 6, Article Number: 1001, eISSN: 2072-4292, 2020;	4.509 / Q2
164.	Todea, A., Aparaschivei, D., Bitcan, I., Ledeti, I.V., Bandur, G., Peter, F., Nagy, L., Keki, S., Biro, E. Thermal behavior of oligo[epsilon-caprolactone]-co-delta-gluconolactone] enzymatically synthesized in reaction conditions optimized by experimental design, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, Volume: 141, Issue: 3, Pages: 1017-1026, ISSN: 1388-6150, eISSN: 1588-2926, 2020;	2.731 / Q2
165.	Topirceanu, A., Udrescu, L., Udrescu, M., Mihaicuta, S. Gender Phenotyping of Patients with Obstructive Sleep Apnea Syndrome Using a Network Science Approach, JOURNAL OF CLINICAL MEDICINE, Volume: 9, Issue: 12, Article Number: 4025, PubMed ID: 33322816, eISSN: 2077-0383, 2020;	3.303 / Q1
166.	Tudoran, R.M., Girban, A. On the rattleback dynamics, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, Volume: 488, Issue: 1, Article Number: 124066, ISSN: 0022-247X, eISSN: 1096-0813, 2020;	1.22 / Q1
167.	Tulcan, A., Vasilescu, M.D., Tulcan, L. Study of the Influence of Technological Parameters on Generating Flat Part with Cylindrical Features in 3D Printing with Resin Cured by Optical Processing, POLYMERS, Volume: 12, Issue: 9, Article Number: 1941, PubMed ID: 32867332, eISSN: 2073-4360, 2020;	3.426 / Q1
168.	Udrescu, L., Bogdan, P., Chis, A., Sirbu, I.O., Topirceanu, A., Varut, R.M., Udrescu, M. Uncovering New Drug Properties in Target-Based Drug-Drug Similarity Networks, PHARMACEUTICS, Volume: 12, Issue: 9, Article Number: 879, PubMed ID: 32947845, eISSN: 1999-4923, 2020;	4.421 / Q1
169.	Ungureanu, L., Micea, M.V., Carstoiu, G. Online state of health prediction method for lithium-ion batteries, based on gated recurrent unit neural networks, INTERNATIONAL JOURNAL OF ENERGY RESEARCH, Volume: 44, Issue: 8, Pages: 6767-6777, ISSN: 0363-907X, eISSN: 1099-114X, 2020;	3.741 / Q1
170.	Ungureanu, V.I., Miclea, R.C., Korodi, A., Silea, I. A Novel Approach against Sun Glare to Enhance Driver Safety, APPLIED SCIENCES-BASEL, Volume: 10, Issue: 9, Article Number: 3032, eISSN: 2076-3417, 2020;	2.474 / Q2
171.	Vajda, M., Ursu, D., Mosoarca, C., Duteanu, N., Miclau, M. Experimental investigation of hydrogen insertion in copper oxide on photovoltaic performance of p-type dye-sensitized solar cell, INTERNATIONAL JOURNAL OF ENERGY RESEARCH, Volume: 45, Issue: 4, Pages: 5309-5317, ISSN: 0363-907X, eISSN: 1099-114X, 2020;	3.741 / Q1
172.	Vajda, M., Ursu, D., Duteanu, N., Miclau, M. Low lying valence band edge materials based on copper oxide for tandem dye -sensitized solar cells, MATERIALS LETTERS, Volume: 275, Article Number: 128151, ISSN: 0167-577X, eISSN: 1873-4979, 2020;	3.204 / Q2
173.	Vamvatsikos, D., Bakalis, K., Kohrangji, M., Pyrza, S., Castiglioni, C.A., Kanyilmaz, A., Morelli, F., Stratan, A., D'Aniello, M., Calado, L., Proenca, J.M., Degee, H., Hoffmeister, B., Pinkawa, M., Thanopoulos, P., Vayas, I. A risk-consistent approach to determine EN1998 behaviour factors for lateral load resisting systems, SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, Volume: 131, Article Number: 106008, ISSN: 0267-7261, eISSN: 1879-341X, 2020;	2.637 / Q2

No.	Article	2019 Impact Factor / Quartile in Category
174.	Vancea, C., Mihailescu, M., Negrea, A., Mosoarca, G., Ciopec, M., Duteanu, N., Negrea, P., Minzatu, V. Batch and Fixed-Bed Column Studies on Palladium Recovery from Acidic Solution by Modified MgSiO <sub>3</sub> , INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH, Volume: 17, Issue: 24, Article Number: 9500, PubMed ID: 33352975, eISSN: 1660-4601, 2020;	2.849 / Q1
175.	Vangjizem, T., Stanicki, D., Panepinto, A., Socoliuc, V., Vekas, L., Muller, R.N., Laurent, S. Influence of Experimental Parameters of a Continuous Flow Process on the Properties of Very Small Iron Oxide Nanoparticles (VSION) Designed for Ti-Weighted Magnetic Resonance Imaging (MRI), NANOMATERIALS, Volume: 10, Issue: 4, Article Number: 757, eISSN: 2079-4991, 2020;	4.324 / Q2
176.	Vasiliu, R.D., Porojan, S.D., Birdeanu, M.I., Utu, I.D., Porojan, L. The Effect of Thermocycling and Surface Treatments on the Surface Roughness and Microhardness of Three Heat-Pressed Ceramics Systems, CRYSTALS, Volume: 10, Issue: 3, Article Number: 160, ISSN: 2073-4352, 2020;	2.404 / Q2
177.	Visa, A., Maranescu, B., Lupa, L., Crisan, L., Borota, A. New Efficient Adsorbent Materials for the Removal of Cd(II) from Aqueous Solutions, NANOMATERIALS, Volume: 10, Issue: 5, Article Number: 899, PubMed ID: 32397122, eISSN: 2079-4991, 2020;	4.324 / Q2
178.	Vlase, D., Mosoiu, C., Vlase, G., Lazau, R., Vlase, T. Comparative analyses of Roman mortars belonging to different ancient periods from Drobeta-Turnu Severin region, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, Volume: 141, Issue: 3, Pages: 991-998, ISSN: 1388-6150, eISSN: 1588-2926, 2020;	2.731 / Q2
179.	Voicu, A., Duteanu, N., Voicu, M., Vlad, D., Dumitrascu, V. The rcdk and cluster R packages applied to drug candidate selection, JOURNAL OF CHEMINFORMATICS, Volume: 12, Issue: 1, Article Number: 3, PubMed ID: 33430987, ISSN: 1758-2946, 2020;	5.326 / Q1
180.	Zaharia, C., Duma, V.F., Sinescu, C., Socoliuc, V., Craciunescu, I., Turcu, R.P., Marin, C.N., Tudor, A., Rominu, M., Negrutiu, M.L. Dental Adhesive Interfaces Reinforced with Magnetic Nanoparticles: Evaluation and Modeling with Micro-CT versus Optical Microscopy, MATERIALS, Volume: 13, Issue: 18, Article Number: 3908, PubMed ID: 32899605, eISSN: 1996-1944, 2020;	3.057 / Q2
181.	Zirra, D., Perju-Mitran, A., Carutasu, G., Pirjan, A., Garais, E.G. An Analysis of the Socio-Economic and Human Life Impact of Implementing the eCall In Vehicle System (IVS) in the Purpose of Ensuring Sustainable, Improved Rescue Operations on European Roads, SUSTAINABILITY, Volume: 12, Issue: 13, Article Number: 5341, eISSN: 2071-1050, 2020;	2.576 / Q2
182.	Zub, C.I., Stratan, A., Dubina, D. Prequalification of a set of buckling restrained braces: Part II - numerical simulations, STEEL AND COMPOSITE STRUCTURES, Volume: 34, Issue: 4, Pages: 561-580, ISSN: 1229-9367, eISSN: 1598-6233, 2020.	4.394 / Q1

\* The data was obtained from Web of Science - Clarivate Analytics in 28 June 2021

## Papers in ISI Journals

1. Abdollahpour, M.R., Najati, A., Gavrut, P. Multipliers of pg-Bessel Sequences in Banach Spaces, IRANIAN JOURNAL OF MATHEMATICAL SCIENCES AND INFORMATICS, Volume: 15, Issue: 2, Pages: 1-12, ISSN: 1735-4463, eISSN: 2008-9473, 2020;
2. Abdullah, M.I., Huang, D.C., Sarfraz, M., Ivascu, L., Riaz, A. Effects of internal service quality on nurses' job satisfaction, commitment and performance: Mediating role of employee well-being, NURSING OPEN, Volume: 8, Issue: 2, Pages: 607-619, PubMed ID: 33570299, ISSN: 2054-1058, 2020;
3. Afzal, M.U., Matekovits, L., Esselle, K.P., Lalbakhsh, A. Beam-Scanning Antenna Based on Near-Electric Field Phase Transformation and Refraction of Electromagnetic Wave Through Dielectric Structures, IEEE ACCESS, Volume: 8, Pages: 199242-199253, ISSN: 2169-3536, 2020;
4. Ahmed, S.E., San, O., Bistran, D.A., Navon, I.M. Sampling and resolution characteristics in reduced order models of shallow water equations: Intrusive vs nonintrusive, INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN FLUIDS, Volume: 92, Issue: 8, Pages: 992-1036, ISSN: 0271-2091, eISSN: 1097-0363, 2020;
5. Albulescu, C.T., Bouri, E., Tiwari, A.K., Roubaud, D. Quantile causality between banking stock and real estate securities returns in the US, QUARTERLY REVIEW OF ECONOMICS AND FINANCE, Volume: 78, Pages: 251-260, ISSN: 1062-9769, eISSN: 1878-4259, 2020;
6. Albulescu, C.T., Artene, A.E., Luminosu, C.T., Tamasila, M. CO(2)emissions, renewable energy, and environmental regulations in the EU countries, ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, Volume: 27, Issue: 27, Pages: 33615-33635, PubMed ID: 31473925, ISSN: 0944-1344, eISSN: 1614-7499, 2020;
7. Albulescu, C.T., Tiwari, A.K., Ji, Q. Copula-based local dependence among energy, agriculture and metal commodities markets, ENERGY, Volume: 202, Article Number: 117762, ISSN: 0360-5442, eISSN: 1873-6785, 2020;
8. Albulescu, C.T., Oros, C. Inflation, uncertainty, and labour market conditions in the US, APPLIED ECONOMICS, Volume: 52, Issue: 52, Pages: 5770-5782, ISSN: 0003-6846, eISSN: 1466-4283, 2020;
9. Ancuti, C., Ancuti, C.O., De Vleeschouwer, C., Bovik, A.C. Day and Night-Time Dehazing by Local Airlight Estimation, IEEE TRANSACTIONS ON IMAGE PROCESSING, Volume: 29, Pages: 6264-6275, PubMed ID: 32340946, ISSN: 1057-7149, eISSN: 1941-0042, 2020;
10. Ancuti, C.O., Ancuti, C., De Vleeschouwer, C., Sbert, M. Color Channel Compensation (3C): A Fundamental Pre-Processing Step for Image Enhancement, IEEE TRANSACTIONS ON IMAGE PROCESSING, Volume: 29, Pages: 2653-2665, PubMed ID: 31751271, ISSN: 1057-7149, eISSN: 1941-0042, 2020;
11. Ancuti, M.C., Musuroi, S., Sorandaru, C., Dordescu, M., Erdodi, G.M. Wind Turbines Optimal Operation at Time Variable Wind Speeds, APPLIED SCIENCES-BASEL, Volume: 10, Issue: 12, Article Number: 4232, eISSN: 2076-3417, 2020;
12. Apopei, P., Orha, C., Popescu, M.I., Lazau, C., Manea, F., Catrinescu, C., Teodosiu, C. Diclofenac removal from water by photocatalysis- assisted filtration using activated carbon modified with N-doped TiO<sub>2</sub>, PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, Volume: 138, Pages: 324-336, ISSN: 0957-5820, eISSN: 1744-3598, 2020;
13. Ardean, C., Ciopec, M., Davidescu, C.M., Negrea, P., Voda, R. Kinetics and Thermodynamics Studies for Cadmium (II) Adsorption onto Functionalized Chitosan with Hexa-Decyl-Trimethyl-Ammonium Chloride, MATERIALS, Volume: 13, Issue: 23, Article Number: 5552, PubMed ID: 33291450, eISSN: 1996-1944, 2020;
14. Artene, A., Bunget, O.C., Dumitrescu, A.C., Domil, A.E., Bogdan, O. Non-Financial Information Disclosures and Environmental Protection-Evidence from Romania and Greece, FORESTS, Volume: 11, Issue: 8, Article Number: 814, eISSN: 1999-4907, 2020;
15. Arvinti, B., Isar, A., Stolz, R., Costache, M. REMOVAL OF REPETITIVE MAGNETIC INTERFERENCES UPON UNSHIELDED FETAL MAGNETOCARDIOGRAMS, ROMANIAN REPORTS IN PHYSICS, Volume: 72, Issue: 3, Article Number: 607, ISSN: 1221-1451, eISSN: 1841-8759, 2020;
16. Arvinti, B., Isar, A., Costache, M. Effective Wavelet Algorithm for an Automatic Detection of Atrial Fibrillation, ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, Volume: 20, Issue: 3, Pages: 49-56, ISSN: 1582-7445, eISSN: 1844-7600, 2020;
17. Arvinti, B., Isar, A., Toader, D., Toepfer, H., Costache, M. EXPERIMENTAL STAND FOR THE STUDY OF NON-SINUSOIDAL ELECTRICAL PHENOMENA, REVUE ROUMAINE DES SCIENCES TECHNIQUES-SERIE ELECTROTECHNIQUE ET ENERGETIQUE, Volume: 65, Issue: 3-4, Pages: 179-184, ISSN: 0035-4066, 2020;

18. Baci, A.M., Kiss, I., Bordeasu, I., Micu, L.M. Compressive Strength of Woven and Strand of Recycled Polyethylene Terephthalate (PET) Reinforced Concrete, *MATERIALE PLASTICE*, Volume: 57, Issue: 1, Pages: 263-271, ISSN: 2668-8220, eISSN: 0025-5289, 2020;
19. Bauer, M., Bruveris, M., Cismas, E., Escher, J., Kolev, B. Well-posedness of the EPDiff equation with a pseudo-differential inertia operator, *JOURNAL OF DIFFERENTIAL EQUATIONS*, Volume: 269, Issue: 1, Pages: 288-325, ISSN: 0022-0396, eISSN: 1090-2732, 2020;
20. Belgiu, G., Turc, C.G.H., Carausu, C. Selection of Subtractive Manufacturing Technology Versus Additive Manufacturing Technology for Rapid Prototyping of a Polymeric Product, *MATERIALE PLASTICE*, Volume: 57, Issue: 4, Pages: 343-352, ISSN: 2668-8220, eISSN: 0025-5289, 2020;
21. Biba, D.R., Ancuti, M.C., Ianovici, A., Sorandaru, C., Musuroi, S. Power Supply Platform and Functional Safety Concept Proposals for a Powertrain Transmission Electronic Control Unit, *ELECTRONICS*, Volume: 9, Issue: 10, Article Number: 1580, eISSN: 2079-9292, 2020;
22. Binzar, T., Pater, F., Nadaban, S. Fuzzy bounded operators with application to Radon transform, *CHAOS SOLITONS & FRACTALS*, Volume: 141, Article Number: 110359, ISSN: 0960-0779, eISSN: 1873-2887, 2020;
23. Boldea, I., Tutelea, L.N., Muntean, N., Popa, A., Blaabjerg, F. ROBOTICS ELECTRIC ACTUATORS: RECENT PROGRESS IN HIGH TORQUE DENSITY DESIGNS AND THEIR ADVANCED MOTION CONTROL - A REVIEW, *PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE*, Volume: 21, Issue: 4, Pages: 337-355, ISSN: 1454-9069, 2020;
24. Boncalo, O., Amaricai, A., Lendek, Z. Fault Tolerant Digital Data-Path Design via Control Feedback Loops, *ELECTRONICS*, Volume: 9, Issue: 10, Article Number: 1721, eISSN: 2079-9292, 2020;
25. Borlea, A., Borcan, F., Sporea, I., Dehelean, C.A., Negrea, R., Cotoi, L., Stoian, D. TI-RADS Diagnostic Performance: Which Algorithm is Superior and How Elastography and 4D Vascularity Improve the Malignancy Risk Assessment, *DIAGNOSTICS*, Volume: 10, Issue: 4, Article Number: 180, PubMed ID: 32225078, eISSN: 2075-4418, 2020;
26. Borza, P., Benea, I.C., Bitcan, I., Todea, A., Muntean, S.G., Peter, F. ENZYMATIC DEGRADATION OF AZO DYES USING PEROXIDASE IMMOBILIZED ONTO COMMERCIAL CARRIERS WITH EPOXY GROUPS, *STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA*, Volume: 65, Issue: 1, Pages: 279-290, ISSN: 1224-7154, 2020;
27. Bosioc, A.I., Tanasa, C. Experimental study of swirling flow from conical diffusers using the water jet control method, *RENEWABLE ENERGY*, Volume: 152, Pages: 385-398, ISSN: 0960-1481, 2020;
28. Bota, C., Caruntu, B., Tucu, D., Lapadat, M., Pasca, M.S. A Least Squares Differential Quadrature Method for a Class of Nonlinear Partial Differential Equations of Fractional Order, *MATHEMATICS*, Volume: 8, Issue: 8, Article Number: 1336, eISSN: 2227-7390, 2020;
29. Bota, C., Caruntu, B., Pasca, M.S., Tucu, D., Lapadat, M. Least Squares Differential Quadrature Method for the Generalized Bagley-Torvik Fractional Differential Equation, *MATHEMATICAL PROBLEMS IN ENGINEERING*, Volume: 2020, Article Number: 4806387, ISSN: 1024-123X, eISSN: 1563-5147, 2020;
30. Brighenti, R., Cosma, M.P., Marsavina, L., Spagnoli, A., Terzano, M. Laser-based additively manufactured polymers: a review on processes and mechanical models, *JOURNAL OF MATERIALS SCIENCE*, Volume: 56, Issue: 2, Pages: 961-998, ISSN: 0022-2461, eISSN: 1573-4803, 2020;
31. Bucur, A.I., Linul, E., Taranu, B.O. Hydroxyapatite coatings on Ti substrates by simultaneous precipitation and electrodeposition, *APPLIED SURFACE SCIENCE*, Volume: 527, Article Number: 146820, ISSN: 0169-4332, eISSN: 1873-5584, 2020;
32. Buda, V., Baul, B., Andor, M., Man, D.E., Ledeti, A., Vlase, G., Vlase, T., Danciu, C., Matusz, P., Peter, F., Ledeti, I. Solid State Stability and Kinetics of Degradation for Candesartan-Pure Compound and Pharmaceutical Formulation, *PHARMACEUTICS*, Volume: 12, Issue: 2, Article Number: 86, PubMed ID: 31972960, eISSN: 1999-4923, 2020;
33. Buncianu, D., Tessier-Doyen, N., Absi, J., Negru, R., Serban, D.A., Marsavina, L. Multi-Scale Mechanical Behaviour of a Highly Porous Alumina Based Foam, *METALS AND MATERIALS INTERNATIONAL*, Volume: 26, Issue: 10, Pages: 1524-1532, ISSN: 1598-9623, eISSN: 2005-4149, 2020;
34. Buriac, O., Ciopec, M., Duteanu, N., Negrea, A., Negrea, P., Grozav, I. Platinum (IV) Recovery from Waste Solutions by Adsorption onto Dibenzo-30-crown-10 Ether Immobilized on Amberlite XAD7 Resin-Factorial Design Analysis, *MOLECULES*, Volume: 25, Issue: 16, Article Number: 3692, PubMed ID: 32823592, eISSN: 1420-3049, 2020;



35. Buse, C., Lupulescu, V., O'Regan, D. Hyers-Ulam stability for equations with differences and differential equations with time-dependent and periodic coefficients, PROCEEDINGS OF THE ROYAL SOCIETY OF EDINBURGH SECTION A-MATHEMATICS, Volume: 150, Issue: 5, Pages: 2175-2188, ISSN: 0308-2105, eISSN: 1473-7124, 2020;
36. Buse, C., O'Regan, D. Discrete integral conditions for weak trajectories and asymptotic stability for operators in Banach spaces, BULLETIN DES SCIENCES MATHÉMATIQUES, Volume: 158, Article Number: 102805, ISSN: 0007-4497, eISSN: 1952-4773, 2020;
37. Busoni, L., Varma, V.S., Loheac, J., Codrean, A., Stefan, O., Morarescu, I.C., Lasaulce, S. Learning control for transmission and navigation with a mobile robot under unknown communication rates, CONTROL ENGINEERING PRACTICE, Volume: 100, Article Number: 104460, ISSN: 0967-0661, eISSN: 1873-6939, 2020;
38. Buzatu, A.R., Frissen, A.E., van den Broek, L.A.M., Todea, A., Motoc, M., Boeriu, C.G. Chemoenzymatic Synthesis of New Aromatic Esters of Mono- and Oligosaccharides, PROCESSES, Volume: 8, Issue: 12, Article Number: 1638, eISSN: 2227-9717, 2020;
39. Cadariu, L., Popa, D., Rasa, I. Ulam Stability of a Second Linear Differential Operator with Nonconstant Coefficients, SYMMETRY-BASEL, Volume: 12, Issue: 9, Article Number: 1451, eISSN: 2073-8994, 2020;
40. Caiman, D.V., Dragomir, T.L. A Novel Method for Obtaining the Signature of Household Consumer Pairs, ENERGIES, Volume: 13, Issue: 22, Article Number: 6030, eISSN: 1996-1073, 2020;
41. Capota, E.A., Stangaciu, C.S., Micea, M.V., Curici, D.I. Towards Fully Jitterless Applications: Periodic Scheduling in Multiprocessor MCSs Using a Table-Driven Approach, APPLIED SCIENCES-BASEL, Volume: 10, Issue: 19, Article Number: 6702, eISSN: 2076-3417, 2020;
42. Carstoiu, G., Micea, M.V., Ungurean, L., Marcu, M. Novel battery wear leveling method for large-scale reconfigurable battery packs, INTERNATIONAL JOURNAL OF ENERGY RESEARCH, Volume: 45, Issue: 2, Pages: 1932-1947, ISSN: 0363-907X, eISSN: 1099-114X, 2020;
43. Cebrucean, D., Cebrucean, V., Ionel, I. Modeling and performance analysis of subcritical and supercritical coal-fired power plants with biomass co-firing and CO<sub>2</sub> capture, CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY, Volume: 22, Issue: 1, Pages: 153-169, ISSN: 1618-954X, eISSN: 1618-9558, 2020;
44. Cernicova-Buca, M., Luzan, K. Open Academic Book Publishing during COVID-19 Pandemic: A View on Romanian University Presses, PUBLICATIONS, Volume: 8, Issue: 4, Article Number: 49, eISSN: 2304-6775, 2020;
45. Chieffo, N., Formisano, A. Induced Seismic-Site Effects on the Vulnerability Assessment of a Historical Centre in the Molise Region of Italy: Analysis Method and Real Behaviour Calibration Based on 2002 Earthquake, GEOSCIENCES, Volume: 10, Issue: 1, Article Number: 21, eISSN: 2076-3263, 2020;
46. Chirita-Emandi, A., Andreescu, N., Zimbru, C.G., Tutac, P., Arghirescu, S., Serban, M., Puiu, M. Challenges in reporting pathogenic/potentially pathogenic variants in 94 cancer predisposing genes - in pediatric patients screened with NGS panels, SCIENTIFIC REPORTS, Volume: 10, Issue: 1, Article Number: 223, PubMed ID: 31937788, ISSN: 2045-2322, 2020;
47. Chirita-Emandi, A., Serban, C.L., Paul, C., Andreescu, N., Velea, I., Mihailescu, A., Serafim, V., Tiugan, D.A., Tutac, P., Zimbru, C., Puiu, M., Niculescu, M.D. CHDH-PNPLA3 Gene-Gene Interactions Predict Insulin Resistance in Children with Obesity, DIABETES METABOLIC SYNDROME AND OBESITY-TARGETS AND THERAPY, Volume: 13, Pages: 4483-4494, PubMed ID: 33239899, ISSN: 1178-7007, 2020;
48. Cioabla, A.E., Ivanovici, M., Dumitrel, G.A., Ordodi, L.V., Calinoiu, D.G., Trif-Tordai, G., Pode, V. MATHEMATICAL APPROACH FOR PILOT-SCALE EXPERIMENT SETUP ON BIOGAS PRODUCTION, STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA, Volume: 65, Issue: 1, Pages: 245-252, ISSN: 1224-7154, 2020;
49. Ciopec, M., Gabor, A., Davidescu, C.M., Negrea, A., Negrea, P., Duteanu, N. Eu(III) removal by tetrabutylammonium di-hydrogen phosphate (TBAH<sub>2</sub>P) functionalized polymers, ARABIAN JOURNAL OF CHEMISTRY, Volume: 13, Issue: 1, Pages: 3534-3545, ISSN: 1878-5352, eISSN: 1878-5379, 2020;
50. Ciopec, M., Negrea, A., Duteanu, N., Negrea, P., Nemes, N., Dobra, G., Iliev, S., Cotet, L., Boiangiu, A., Filipescu, L. PALLADIUM RECOVERY BY ADSORPTION ON ALUMINUM HYDROXIDE, UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES B-CHEMISTRY AND MATERIALS SCIENCE, Volume: 82, Issue: 4, Pages: 111-124, ISSN: 1454-2331, 2020;

51. Cirligeriu, L.E., Nica, L.M., Puscu-Boscornea, S.A., Horhat, R.M., Pancotti, S., Stoia, D.I., Marinescu, A.G. MECHANICAL STRENGTH EVALUATION OF TWO SINGLE FILE SYSTEMS: RECIPROC VERSUS RECIPROC BLUE, ROMANIAN JOURNAL OF ORAL REHABILITATION, Volume: 12, Issue: 2, Pages: 109-115, eISSN: 2066-7000, 2020;
52. Cividino, S., Halbac-Cotoara-Zamfir, R., Salvati, L. Revisiting the "City Life Cycle": Global Urbanization and Implications for Regional Development, SUSTAINABILITY, Volume: 12, Issue: 3, Article Number: 1151, eISSN: 2071-1050, 2020;
53. Cocheci, L., Lupa, L., Tolea, N.S., Muntean, C., Negrea, P. Sequential use of ionic liquid functionalized Zn-Al layered double hydroxide as adsorbent and photocatalyst, SEPARATION AND PURIFICATION TECHNOLOGY, Volume: 250, Article Number: 117104, ISSN: 1383-5866, eISSN: 1873-3794, 2020;
54. Codrean, C., Voda, M., Buzdugan, D., Serban, V.A. Amorphous gray iron for concrete reinforcement, UIS INGENIERIAS, Volume: 19, Issue: 1, Pages: 103-107, ISSN: 1657-4583, eISSN: 2145-8456, 2020;
55. Colantoni, A., Halbac-Cotoara-Zamfir, R., Halbac-Cotoara-Zamfir, C., Cudlin, P., Salvati, L., Morera, A.G. Demographic Resilience in Local Systems: An Empirical Approach with Census Data, SYSTEMS, Volume: 8, Issue: 3, Article Number: 34, eISSN: 2079-8954, 2020;
56. Cornea, O., Hulea, D., Muntean, N., Andreescu, G.D. Step-Down Switched-Inductor Hybrid DC-DC Converter for Small Power Wind Energy Conversion Systems With Hybrid Storage, IEEE ACCESS, Volume: 8, Pages: 136092-136107, ISSN: 2169-3536, 2020;
57. Covaci, C., Gontean, A. Piezoelectric Energy Harvesting Solutions: A Review, SENSORS, Volume: 20, Issue: 12, Article Number: 3512, PubMed ID: 32575888, eISSN: 1424-8220, 2020;
58. Covaciu, F., Iordan, A.E. DESIGNING A COOLING SYSTEM FOR AN ELECTRIC MOTOR THAT IS USED IN THE AUTOMOTIVE INDUSTRY, ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, Volume: 63, Issue: 1, Pages: 61-66, ISSN: 1221-5872, 2020;
59. Craciunescu, C.M., Kohl, M., Ercuta, A. Micro-actuation design in VO<sub>2</sub>-based bimorph cantilevers, SMART MATERIALS AND STRUCTURES, Volume: 29, Issue: 11, Article Number: 115035, ISSN: 0964-1726, eISSN: 1361-665X, 2020;
60. Croitoru, C., Pop, M.A., Bedo, T., Cosnita, M., Roata, I.C., Hulka, I. Physically Crosslinked Poly (Vinyl Alcohol)/Kappa-Carrageenan Hydrogels: Structure and Applications, POLYMERS, Volume: 12, Issue: 3, Article Number: 560, PubMed ID: 32138357, eISSN: 2073-4360, 2020;
61. Croitoru, C., Roata, I.C., Pascu, A., Stanciu, E.M., Hulka, I., Stoian, G., Lupu, N. Photocatalytic surfaces obtained through one-step thermal spraying of titanium, APPLIED SURFACE SCIENCE, Volume: 504, Article Number: 144173, ISSN: 0169-4332, eISSN: 1873-5584, 2020;
62. Cveticanin, D., Herisanu, N., Biro, I., Zukovic, M., Cveticanin, L. Vibration of the Biomass Boiler Tube Excited with Impact of the Cleaning Device, MATHEMATICS, Volume: 8, Issue: 9, Article Number: 1519, eISSN: 2227-7390, 2020;
63. Daianu, D.M., Mindruta, C. Sections in functional equations, AEQUATIONES MATHEMATICAE, Volume: 94, Issue: 5, Pages: 931-943, ISSN: 0001-9054, eISSN: 1420-8903, 2020;
64. Dascalu, D., Roman, D.L., Filip, M., Ciorsac, A.A., Ostafe, V., Isvoran, A. Solubility and ADMET profiles of short oligomers of lactic acid, ADMET AND DMPK, Volume: 8, Issue: 4, Pages: 425-436, ISSN: 1848-7718, 2020;
65. David, V., Belc, A.L., Jianu, M.R., Musat, C.C. MONITORING BITUMINOUS LAYERS USING THERMAL 3 IMAGES, ROMANIAN JOURNAL OF TRANSPORT INFRASTRUCTURE, Volume: 9, Issue: 1, Pages: 22-37, Article Number: 2, ISSN: 2286-2218, 2020;
66. Dehelean, T., Nafornita, C., Isar, A. ENHANCED METRIC FOR MULTIPLE EXTENDED OBJECT TRACKER, REVUE ROUMAINE DES SCIENCES TECHNIQUES-SERIE ELECTROTECHNIQUE ET ENERGETIQUE, Volume: 65, Issue: 3-4, Pages: 235-243, ISSN: 0035-4066, 2020;
67. Dima, G., Vaszilcsin, N. INHIBITORY EFFECT OF SOME AMINO ACIDS ON COPPER ELECTRODEPOSITION FROM ACID BATHS, UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES B-CHEMISTRY AND MATERIALS SCIENCE, Volume: 82, Issue: 2, Pages: 69-78, ISSN: 1454-2331, 2020;
68. Djuissi, E., Bogdan, R., Abdoulanziz, A., Pop, N., Iacob, F., Argentin, C., Epee, M.D.E., Motapon, O., Laporta, V., Mezei, J.Z., Schneider, I.F. ELECTRON DRIVEN REACTIVE PROCESSES INVOLVING H-2(+) AND HD+ MOLECULAR CATIONS IN THE EARLY UNIVERSE, ROMANIAN ASTRONOMICAL JOURNAL, Volume: 30, Issue: 2, Pages: 101-111, ISSN: 1220-5168, eISSN: 2285-3758, 2020;
69. Don, R., Ciutina, A., Vulcu, C., Stratan, A. Seismic-resistant slim-floor beam-to-column joints: experimental and numerical investigations, STEEL AND COMPOSITE STRUCTURES, Volume: 37, Issue: 3, Pages: 307-321, ISSN: 1229-9367, eISSN: 1598-6233, 2020;

70. Dragicevic, D., Pecek, N.J., Lupa, N. Admissibility and general dichotomies for evolution families, *ELECTRONIC JOURNAL OF QUALITATIVE THEORY OF DIFFERENTIAL EQUATIONS*, Issue: 58, Pages: 1-19, ISSN: 1417-3875, 2020;
71. Dragoi, V.F., Cayrel, P.L., Colombier, B., Bucerzan, D., Hoara, S. Solving a Modified Syndrome Decoding Problem using Integer Programming, *INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL*, Volume: 15, Issue: 5, Article Number: 3920, ISSN: 1841-9836, eISSN: 1841-9844, 2020;
72. Dragomir, G.M., Cernicova-Buca, M., Gherhes, V., Cismariu, L. Engineering Students' Human Values as Rhizomatic Lines of Sustainability, *SUSTAINABILITY*, Volume: 12, Issue: 18, Article Number: 7417, eISSN: 2071-1050, 2020;
73. Dragomir, T.L., Stefan, O., Nanu, S., Codrean, A. Discrete-Time Rule-based Time Optimal Controller, *CONTROL ENGINEERING AND APPLIED INFORMATICS*, Volume: 22, Issue: 2, Pages: 67-78, ISSN: 1454-8658, 2020;
74. Dubina, D., Dinu, F., Stratan, A. High-strength steel and dissipative fuse solutions for seismic-resistant building structures, *STEEL CONSTRUCTION-DESIGN AND RESEARCH*, Volume: 13, Issue: 3, Pages: 154-164, ISSN: 1867-0520, eISSN: 1867-0539, 2020;
75. Dufour, C., Draghici, A., Ivascu, L., Sarfraz, M. Occupational health and safety division of responsibility: A conceptual model for the implementation of the OHSAS 18001:2007 standard, *HUMAN SYSTEMS MANAGEMENT*, Volume: 39, Issue: 4, Pages: 549-563, ISSN: 0167-2533, eISSN: 1875-8703, 2020;
76. Dumitru, R., Negrea, S., Ianculescu, A., Pacurariu, C., Vasile, B., Surdu, A., Manea, F. Lanthanum Ferrite Ceramic Powders: Synthesis, Characterization and Electrochemical Detection Application, *MATERIALS*, Volume: 13, Issue: 9, Article Number: 2061, PubMed ID: 32365678, eISSN: 1996-1944, 2020;
77. Egidi, G., Halbac-Cotoara-Zamfir, R., Cividino, S., Quaranta, G., Salvati, L., Colantoni, A. Rural in Town: Traditional Agriculture, Population Trends, and Long-Term Urban Expansion in Metropolitan Rome, *LAND*, Volume: 9, Issue: 2, Article Number: 53, eISSN: 2073-445X, 2020;
78. Ene, R.C., Brata, S., Boros, I., Dan, D. EFFECT OF INSERTED PARALLEL AIR CHAMBERS IN ROCKWOOL AND POLYSTYRENE INSULATION PANELS, *JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY*, Volume: 21, Issue: 1, Pages: 202-210, ISSN: 1311-5065, 2020;
79. Ene, R.D., Pop, C., Petrisor, C. Systematic Review of Geometrical Approaches and Analytical Integration for Chen's System, *MATHEMATICS*, Volume: 8, Issue: 9, Article Number: 1530, eISSN: 2227-7390, SEP 2020;
80. Epasto, G., Distefano, F., Gu, L.X., Mozafari, H., Linul, E. Design and optimization of Metallic Foam Shell protective device against flying ballast impact damage in railway axles, *MATERIALS & DESIGN*, Volume: 196, Article Number: 109120, ISSN: 0264-1275, eISSN: 1873-4197, 2020;
81. Erdelyi, R.A., Duma, V.F., Sinescu, C., Dobre, G.M., Bradu, A., Podoleanu, A. Dental Diagnosis and Treatment Assessments: Between X-rays Radiography and Optical Coherence Tomography, *MATERIALS*, Volume: 13, Issue: 21, Article Number: 4825, PubMed ID: 33126714, eISSN: 1996-1944, 2020;
82. Fagadar-Cosma, E., Plesu, N., Lascu, A., Anghel, D., Cazacu, M., Ianas, C., Fagadar-Cosma, G., Fratilescu, I., Epuran, C. Novel Platinum-Porphyrin as Sensing Compound for Efficient Fluorescent and Electrochemical Detection of H<sub>2</sub>O<sub>2</sub>, *CHEMOSENSORS*, Volume: 8, Issue: 2, Article Number: 29, eISSN: 2227-9040, 2020;
83. Falk, A., Marsavina, L., Pop, O. Analysis of Printed Circuit Boards strains using finite element analysis and digital image correlation, *FRATTURA ED INTEGRITÀ STRUTTURALE*, Issue: 51, Pages: 541-551, ISSN: 1971-8993, 2020;
84. Farcas, C.G., Dehelean, C., Pinzaru, I.A., Mioc, M., Socoliuc, V., Moaca, E.A., Avram, S., Ghiulai, R., Coricovac, D., Pavel, I., Alla, P.K., Cretu, O.M., Soica, C., Loghin, F. Thermosensitive Betulinic Acid-Loaded Magnetoliposomes: A Promising Antitumor Potential for Highly Aggressive Human Breast Adenocarcinoma Cells Under Hyperthermic Conditions, *INTERNATIONAL JOURNAL OF NANOMEDICINE*, Volume: 15, Pages: 8175-8200, PubMed ID: 33122905, ISSN: 1178-2013, 2020;
85. Fiedler, T., Al-Sahlani, K., Linul, P.A., Linul, E. Mechanical properties of A356 and ZA27 metallic syntactic foams at cryogenic temperature, *JOURNAL OF ALLOYS AND COMPOUNDS*, Volume: 813, Article Number: 152181, ISSN: 0925-8388, eISSN: 1873-4669, 2020;
86. Filip, I., Dragan, F., Szeidert, I., Albu, A. Minimum-Variance Control System with Variable Control Penalty Factor, *APPLIED SCIENCES-BASEL*, Volume: 10, Issue: 7, Article Number: 2274, eISSN: 2076-3417, 2020;

87. Florut, S.C., Popescu, D.A., Stoian, V., Dan, D., Nagy-Gyorgy, T., Todea, V. EXPERIMENTALLY VALIDATED NUMERICAL ANALYSIS OF REINFORCED CONCRETE SLAB-COLUMN CONNECTIONS SUBJECTED TO PUNCHING SHEAR, *JOURNAL OF APPLIED ENGINEERING SCIENCES*, Volume: 10, Issue: 2, Pages: 125-132, ISSN: 2247-3769, eISSN: 2284-7197, 2020;
88. Forton, A., Mangiafico, S., Sauzeat, C., Di Benedetto, H., Marc, P. Properties of blends of fresh and RAP binders with rejuvenator: Experimental and estimated results, *CONSTRUCTION AND BUILDING MATERIALS*, Volume: 236, Article Number: 117555, ISSN: 0950-0618, eISSN: 1879-0526, 2020;
89. Frigura-Iliasa, M., Baloi, F.I., Frigura-Iliasa, F.M., Simo, A., Musuroi, S., Andea, P. Health-Related Electromagnetic Field Assessment in the Proximity of High Voltage Power Equipment, *APPLIED SCIENCES-BASEL*, Volume: 10, Issue: 1, Article Number: 260, eISSN: 2076-3417, 2020;
90. Gherhes, V., Dragomir, G.M., Cernicova-Buca, M. Migration Intentions of Romanian Engineering Students, *SUSTAINABILITY*, Volume: 12, Issue: 12, Article Number: 4846, eISSN: 2071-1050, 2020;
91. Glevitzky, I., Dumitrel, G.A., Glevitzky, M., Bungau, S., Popa, M. ASPECTS CONCERNING THE MANAGEMENT OF GROUNDWATER IN THE FARAU AREA - ALBA COUNTY, ROMANIA, *JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY*, Volume: 21, Issue: 2, Pages: 443-453, ISSN: 1311-5065, 2020;
92. Glevitzky, M., Aleya, L., Vica, M.L., Dumitrel, G.A., Avram, M., Tit, D.M., Popa, M., Popa, V.C., Behl, T., Bungau, S. Assessing the microbiological contamination along with environmental factors of old books in the 1490-founded Bistrita Monastery, Romania, *ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH*, Volume: 28, Issue: 7, Pages: 8743-8757, PubMed ID: 33070291, ISSN: 0944-1344, eISSN: 1614-7499, 2020;
93. Golban, A., Lupa, L., Cocheci, L., Pode, R. COMPARATIVE STUDIES REGARDING MOLYBDATE ADSORPTION ONTO MgnFe LAYERED DOUBLE HYDROXIDES OBTAINED FROM REAGENT AND WASTE SLUDGE, *ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL*, Volume: 19, Issue: 2, Pages: 235-245, ISSN: 1582-9596, eISSN: 1843-3707, 2020;
94. Grecu, E., Oncioiu, I., Ionel, I., Ungureanu, C.I. POTENTIAL ASSESSMENT OF USING BIOMASS FOR SUSTAINABLE DEVELOPMENT. A CASE STUDY FOR ROMANIA, *JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY*, Volume: 21, Issue: 2, Pages: 544-550, ISSN: 1311-5065, 2020;
95. Grecu, E., Albulescu, C.T., Partachi, I.P., Stancu, S., Trasca, D.L. OUTPUT, UNCERTAINTY AND FUEL PRICES IN THE EU COUNTRIES, *ECONOMIC COMPUTATION AND ECONOMIC CYBERNETICS STUDIES AND RESEARCH*, Volume: 54, Issue: 1, Pages: 15-30, ISSN: 0424-267X, eISSN: 1842-3264, 2020;
96. Groza, B., Popa, L., Murvay, P.S. Highly Efficient Authentication for CAN by Identifier Reallocation With Ordered CMACs, *IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY*, Volume: 69, Issue: 6, Pages: 6129-6140, ISSN: 0018-9545, eISSN: 1939-9359, 2020;
97. Groza, B., Berdich, A., Jichici, C., Mayrhofer, R. Secure Accelerometer-Based Pairing of Mobile Devices in Multi-Modal Transport, *IEEE ACCESS*, Volume: 8, Pages: 9246-9259, ISSN: 2169-3536, 2020;
98. Groza, B., Andreica, T., Berdich, A., Murvay, P.S., Gurban, E.H. PRESTvO: PRIVACY ENABLED SMARTPHONE BASED ACCESS TO VEHICLE ON-BOARD UNITS, *IEEE ACCESS*, Volume: 8, Pages: 119105-119122, ISSN: 2169-3536, 2020;
99. Gurban, D. Radial non-potential Dirichlet systems with mean curvature operator in Minkowski space, *POSITIVITY*, Volume: 25, Issue: 1, ISSN: 1385-1292, eISSN: 1572-9281, 2020;
100. Hadaruga, N.G., Szakal, R.N., Chirila, C.A., Lukinich-Gruia, A.T., Paunescu, V., Muntean, C., Rusu, G., Bujanca, G., Hadaruga, D.I. Complexation of Danube common nase (*Chondrostoma nasus* L.) oil by beta-cyclodextrin and 2-hydroxypropyl-beta-cyclodextrin, *FOOD CHEMISTRY*, Volume: 303, Article Number: 125419, PubMed ID: 31470276, ISSN: 0308-8146, eISSN: 1873-7072, 2020;
101. Halbac-Cotoara-Zamfir, R., Egidi, G., Mosconi, E.M., Poponi, S., Alhuseen, A., Salvati, L. Uncovering Demographic Trends and Recent Urban Expansion in Metropolitan Regions: A Paradigmatic Case Study, *SUSTAINABILITY*, Volume: 12, Issue: 9, Article Number: 3937, eISSN: 2071-1050, 2020;
102. Halbac-Cotoara-Zamfir, R., Cividino, S., Egidi, G., Salvia, R., Salvati, L. Rapidity of Change in Population Age Structures: A Local Approach Based on Multiway Factor Analysis, *SUSTAINABILITY*, Volume: 12, Issue: 7, Article Number: 2828, eISSN: 2071-1050, 2020;

103. Hegyi, A., Sarris, A., Curta, F., Floca, C., Fortiu, S., Urdea, P., Onaca, A., Timofte, F., Pisz, M., Timut, S., Nica, M., Maciulski, D., Stavila, A. Deserted Medieval Village Reconstruction Using Applied Geosciences, REMOTE SENSING, Volume: 12, Issue: 12, Article Number: 1975, eISSN: 2072-4292, 2020;
104. Heinosaari, T., Jivulescu, M.A., Nechita, I. Random positive operator valued measures, JOURNAL OF MATHEMATICAL PHYSICS, Volume: 61, Issue: 4, ISSN: 0022-2488, eISSN: 1089-7658, 2020;
105. Herisanu, N., Marinca, V. An effective analytical approach to nonlinear free vibration of elastically actuated microtubes, MECCANICA, Volume: 56, Issue: 4, Special Issue: SI, Pages: 813-823, ISSN: 0025-6455, eISSN: 1572-9648, 2020;
106. Herisanu, N., Marinca, V. An Efficient Analytical Approach to Investigate the Dynamics of a Misaligned Multirotor System, MATHEMATICS, Volume: 8, Issue: 7, Article Number: 1083, eISSN: 2227-7390, 2020;
107. Holotescu, V., Vasiu, R. Challenges and Emerging Solutions for Public Blockchains, BRAIN-BROAD RESEARCH IN ARTIFICIAL INTELLIGENCE AND NEUROSCIENCE, Volume: 11, Issue: 1, Pages: 58-83, ISSN: 2067-3957, 2020;
108. Hulka, I., Utu, D., Serban, V.A., Negrea, P., Lukac, F., Chraska, T. Effect of Ti addition on microstructure and corrosion properties of laser clad WC-Co/NiCrBSi(Ti) coatings, APPLIED SURFACE SCIENCE, Volume: 504, Article Number: 144349, ISSN: 0169-4332, eISSN: 1873-5584, 2020;
109. Iliu, G., Simulescu, V., Hulka, I. Hybrids containing zirconium and phosphorus compounds obtained by sol-gel method, COLLOID AND POLYMER SCIENCE, Volume: 299, Issue: 1, Pages: 137-151, ISSN: 0303-402X, eISSN: 1435-1536, 2020;
110. Ioana, A., Korodi, A. Improving OPC UA Publish-Subscribe Mechanism over UDP with Synchronization Algorithm and Multithreading Broker Application, SENSORS, Volume: 20, Issue: 19, Article Number: 5591, PubMed ID: 33003549, eISSN: 1424-8220, 2020;
111. Ioana, A., Korodi, A. OPC UA Publish-Subscribe and VSOME/IP Notify-Subscribe Based Gateway Application in the Context of Car to Infrastructure Communication, SENSORS, Volume: 20, Issue: 16, Article Number: 4624, PubMed ID: 32824493, eISSN: 1424-8220, 2020;
112. Ionel, R., Mischie, S., Belega, D., Matiu-lovan, L., Dughir, C. I&M applications for educational purposes, IEEE INSTRUMENTATION & MEASUREMENT MAGAZINE, Volume: 23, Issue: 2, Pages: 21-29, ISSN: 1094-6969, eISSN: 1941-0123, 2020;
113. Ionitescu, M., Vermesan, D., Haragus, H., Suci, O., Todor, A., Dumitrascu, C.V., Negrea, R., Hoinoiu, T., Radu, D., Fruja, D. Association of Neutrophil to Lymphocyte Ratio with Patient Reported Outcomes in Knee Osteoarthritis, APPLIED SCIENCES-BASEL, Volume: 10, Issue: 22, Article Number: 8173, eISSN: 2076-3417, 2020;
114. Iordan, A.E., Covaciu, F. IMPROVING DESIGN OF A TRIANGLE GEOMETRY COMPUTER APPLICATION USING A CREATIONAL PATTERN, ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING, Volume: 63, Issue: 1, Pages: 73-78, ISSN: 1221-5872, 2020;
115. Iovanovici, A., Avramoni, D., Prodan, L. A dataset of urban traffic flow for 13 Romanian cities amid lockdown and after ease of COVID19 related restrictions, DATA IN BRIEF, Volume: 32, Article Number: 106318, PubMed ID: 32959019, ISSN: 2352-3409, 2020;
116. Isfanuti, A., Paicu, M.C., Andreescu, G.D., Tutelea, L.N., Staudt, T., Boldea, I. V/f with Stabilizing Loops and MTPA versus Sensorless FOC for PMSM Drives, ELECTRIC POWER COMPONENTS AND SYSTEMS, Volume: 48, Issue: 11, Pages: 1197-1210, ISSN: 1532-5008, eISSN: 1532-5016, 2020;
117. Isfanuti, A.S., Tutelea, L.N., Boldea, I., Staudt, T., da Silva, P.E. Outer Ferrite-PM-Rotor BLAC Motor Characterization: FEM-Assisted Optimal Design and Preliminary Experiments, IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Volume: 56, Issue: 3, Pages: 2580-2589, ISSN: 0093-9994, eISSN: 1939-9367, 2020;
118. Ivascu, L. Measuring the Implications of Sustainable Manufacturing in the Context of Industry 4.0, PROCESSES, Volume: 8, Issue: 5, Article Number: 585, eISSN: 2227-9717, 2020;
119. Karagiorgis, S., Tsamis, A., Voutouri, C., Turcu, R., Porav, S.A., Socoliuc, V., Vekas, L., Louca, M., Stylianopoulos, T., Vavourakis, V., Krasia-Christoforou, T. Engineered magnetoactive collagen hydrogels with tunable and predictable mechanical response, MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, Volume: 114, Article Number: 111089, PubMed ID: 32994019, ISSN: 0928-4931, eISSN: 1873-0191, 2020;

120. Kellenberger, A., Duca, D., Vaszilcsin, N., Craciunescu, C.M. Electrochemical Evaluation of Niobium Corrosion Resistance in Simulated Anodic PEM Electrolyzer Environmen, INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, Volume: 15, Issue: 11 Pages: 10664-10673, ISSN: 1452-3981, 2020;
121. Kellenberger, A., Ambros, D., Plesu, N. Polyaniline Nanofibers Modified Ni Electrodes for Electrochemical Hydrogen Production, INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, Volume: 15, Issue: 9, Pages: 8536-8551, ISSN: 1452-3981, 2020;
122. Kellenberger, A., Gavrilă, R., Plesu, N. ACTIVATED MULTI-WALLED CARBON NANOTUBES FOR ELECTROCHEMICAL DETECTION OF DOPAMINE IN THE PRESENCE OF ASCORBIC AND URIC ACID, STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA, Volume: 65, Issue: 4, Pages: 35-52, ISSN: 1224-7154, 2020;
123. Khezrzadeh, O., Mirzaee, O., Emadoddin, E., Linul, E. Anisotropic Compressive Behavior of Metallic Foams under Extreme Temperature Conditions, MATERIALS, Volume: 13, Issue: 10, Article Number: 2329, PubMed ID: 32438755, eISSN: 1996-1944, 2020;
124. Kiss, G., Rusu, G., Peter, F., Tanase, I., Bandur, G. Recovery of Flexible Polyurethane Foam Waste for Efficient Reuse in Industrial Formulations, POLYMERS, Volume: 12, Issue: 7, Article Number: 1533, PubMed ID: 32664336, eISSN: 2073-4360, 2020;
125. Kiss, I., Bordeasu, I., Baci, A.M., Alexa, V., Cioata, V.G., Ursu-Neamt, G. Comparative Analysis on Use of Polymer Fibres from Recycled Polyethylene Terephthalate into Reinforced Concrete Solutions, MATERIALE PLASTICE, Volume: 57, Issue: 4, Pages: 216-224, ISSN: 2668-8220, eISSN: 0025-5289, 2020;
126. Kiss, I., Alexa, V. Study on the Deformation behaviour of Non-Hardenable Ferritic Stainless Steel (grade X6Cr17) by Hot Torsion Tests, TEHNICKI GLASNIK-TECHNICAL JOURNAL, Volume: 14, Issue: 2, Pages: 239-244, ISSN: 1846-6168, eISSN: 1848-5588, 2020;
127. Kiss, I., Baci, A.M., Bordeasu, I., Micu, L.M. Compressive Strength of Stripes and Flakes of Recycled Polyethylene Terephthalate (PET) Added Concrete, MATERIALE PLASTICE, Volume: 57, Issue: 1, Pages: 244-252, ISSN: 2668-8220, eISSN: 0025-5289, 2020;
128. Kiss, I. Multivariate Statistical Research in Areas of the Cast Hyper-Eutectoid Steel Roll Manufacturing, in the Melting and Alloying Processing Stages, ACTA POLYTECHNICA HUNGARICA, Volume: 17, Issue: 6, Pages: 41-59, ISSN: 1785-8860, 2020;
129. Kiss, I., Alexa, V. Study on the Deformability Characteristics of Steels for Seamless Tubes and Pipes destined for the Petrochemical Industry, ACTA POLYTECHNICA HUNGARICA, Volume: 17, Issue: 5, Pages: 89-111, ISSN: 1785-8860, 2020;
130. Kiss, I., Alexa, V. Study on Deformation Behavior of Non-Hardenable Austenitic Stainless Steel (Grade X5CrNi18-10) by Hot Torsion Tests, TEHNICKI GLASNIK-TECHNICAL JOURNAL, Volume: 14, Issue: 3, Pages: 396-402, ISSN: 1846-6168, eISSN: 1848-5588, 2020;
131. Kolumban-Antal, G., Lasak, V., Bogdan, R., Groza, B. A Secure and Portable Multi-Sensor Module for Distributed Air Pollution Monitoring, SENSORS, Volume: 20, Issue: 2, Article Number: 403, PubMed ID: 31936847, eISSN: 1424-8220, 2020;
132. Korodi, A., Anitei, D., Boitor, A., Silea, I. Image-Processing-Based Low-Cost Fault Detection Solution for End-of-Line ECUs in Automotive Manufacturing, SENSORS, Volume: 20, Issue: 12, Article Number: 3520, PubMed ID: 32580271, eISSN: 1424-8220, 2020;
133. Korodi, A., Crisan, R., Nicolae, A., Silea, I. Industrial Internet of Things and Fog Computing to Reduce Energy Consumption in Drinking Water Facilities, PROCESSES, Volume: 8, Issue: 3, Article Number: 282, eISSN: 2227-9717, 2020;
134. Lascu, C., Andreescu, G.D. PLL Position and Speed Observer With Integrated Current Observer for Sensorless PMSM Drives, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Volume: 67, Issue: 7, Pages: 5990-5999, ISSN: 0278-0046, eISSN: 1557-9948, 2020;
135. Lascu, C., Argeșeanu, A., Blaabjerg, F. Supertwisting Sliding-Mode Direct Torque and Flux Control of Induction Machine Drives, IEEE TRANSACTIONS ON POWER ELECTRONICS, Volume: 35, Issue: 5, Pages: 5057-5065, ISSN: 0885-8993, eISSN: 1941-0107, 2020;
136. Lazar, I.C. Minimal Disc Diagrams of 5/9-Simplicial Complexes, MICHIGAN MATHEMATICAL JOURNAL, Volume: 69, Issue: 4, Pages: 793-829, ISSN: 0026-2285, 2020;
137. Lazar, I.C. The collapsibility of CAT(0) square 2-complexes, PUBLICATIONES MATHEMATICAE-DEBRECEN, Volume: 97, Issue: 1-2, Pages: 1-25, ISSN: 0033-3883, 2020;
138. Ledeti, I., Bengescu, C., Cirioban, D., Vlase, G., Vlase, T., Tomoroga, C., Buda, V., Ledeti, A., Dragomirescu, A., Murariu, M. Solid-state stability and kinetic study of three glucocorticoid hormones: prednisolone, prednisone and cortisone, JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, Volume: 141, Issue: 3, Pages: 1053-1065, ISSN: 1388-6150, eISSN: 1588-2926, 2020;

139. Linul, E., Marsavina, L., Stoia, D.I. Mode I and II fracture toughness investigation of Laser-Sintered Polyamide, THEORETICAL AND APPLIED FRACTURE MECHANICS, Volume: 106, Article Number: 102497, ISSN: 0167-8442, eISSN: 1872-7638, 2020;
140. Linul, E., Marsavina, L., Valean, C., Banica, R. Static and dynamic mode I fracture toughness of rigid PUR foams under room and cryogenic temperatures, ENGINEERING FRACTURE MECHANICS, Volume: 225, Article Number: 106274, ISSN: 0013-7944, eISSN: 1873-7315, 2020;
141. Luca, R.E., Giuliani, A., Manescu, A., Heredea, R., Hoinoiu, B., Constantin, G.D., Duma, V.F., Todea, C.D. Osteogenic Potential of Bovine Bone Graft in Combination with Laser Photobiomodulation: An Ex Vivo Demonstrative Study in Wistar Rats by Cross-Linked Studies Based on Synchrotron Microtomography and Histology, INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, Volume: 21, Issue: 3, Article Number: 778, PubMed ID: 31991756, eISSN: 1422-0067, 2020;
142. Lupa, L., Cochechi, L., Trica, B., Coroaba, A., Popa, A. Photodegradation of Phenolic Compounds from Water in the Presence of a Pd-Containing Exhausted Adsorbent, APPLIED SCIENCES-BASEL, Volume: 10, Issue: 23, Article Number: 8440, eISSN: 2076-3417, 2020;
143. Lupa, N. A New Approach on Datko-Zabczyk Method for Nonuniform Exponential Stability, MATHEMATICS, Volume: 8, Issue: 7, Article Number: 1095, eISSN: 2227-7390, 2020;
144. Lupa, N., Popescu, L.H. Admissible Banach Function Spaces and Nonuniform Stabilities, MEDITERRANEAN JOURNAL OF MATHEMATICS, Volume: 17, Issue: 4, Article Number: 105, ISSN: 1660-5446, eISSN: 1660-5454, 2020;
145. Manea, A.S., Muntean, S., Stroita, D.C. ANALYTICAL APPROACH AND NUMERICAL METHODOLOGY VALIDATED AGAINST EXPERIMENTAL DATA ON S SHAPE AIRFOIL FOR WIDE FLOW ANGLES OF ATTACK, PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE, Volume: 21, Issue: 2, Pages: 163-172, ISSN: 1454-9069, 2020;
146. Manolescu, L. Ulam's Type Stability and Generalized Norms, SYMMETRY-BASEL, Volume: 12, Issue: 4, Article Number: 502, eISSN: 2073-8994, 2020;
147. Marian, E., Tita, B., Duteanu, N., Vicas, L., Ciocan, S., Jurca, T., Antal, L., Tica, O., Muresan, M., Pallag, A., Micle, O. Antimicrobial activity of fusidic acid inclusion complexes, INTERNATIONAL JOURNAL OF INFECTIOUS DISEASES, Volume: 101, Pages: 65-73, PubMed ID: 33011279, ISSN: 1201-9712, eISSN: 1878-3511, 2020;
148. Marian, E., Duteanu, N., Vicas, L., Rusu, G., Jurca, T., Muresan, M., Micle, O., Hangan, A.C., Stan, R.L., Ionescu, C., Sevastre, B., Pall, E. Synthesis, characterization of inclusion compounds of amygdalin with beta-cyclodextrin and sod-like activity and cytotoxicity on hela tumor cells, ARABIAN JOURNAL OF CHEMISTRY, Volume: 13, Issue: 8, Pages: 6828-6837, ISSN: 1878-5352, eISSN: 1878-5379, 2020;
149. Marinca, V., Herisanu, N. Optimal Auxiliary Functions Method for a Pendulum Wrapping on Two Cylinders, MATHEMATICS, Volume: 8, Issue: 8, Article Number: 1364, eISSN: 2227-7390, 2020;
150. Marinca, V., Herisanu, N. Construction of Analytic Solution to Axisymmetric Flow and Heat Transfer on a Moving Cylinder, SYMMETRY-BASEL, Volume: 12, Issue: 8, Article Number: 1335, eISSN: 2073-8994, 2020;
151. Marinescu, A.G., Cirligeriu, L.E., Boscornea-Puscu, S.A., Horhat, R.M., Sgii, S.T., Stoia, D.I., Nica, L.M. FRACTURE STRENGTH EVALUATION OF TEETH WITH DIFFERENT DESIGNS OF ENDODONTIC ACCESS CAVITIES, ROMANIAN JOURNAL OF ORAL REHABILITATION, Volume: 12, Issue: 2, Pages: 76-84, eISSN: 2066-7000, 2020;
152. Marsavina, L., Linul, E. Fracture toughness of rigid polymeric foams: A review, FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES, Volume: 43, Issue: 11, Pages: 2483-2514, ISSN: 8756-758X, eISSN: 1460-2695, 2020;
153. Medeleanu, M., Khalaj, Z., Diudea, M.V. Rhombellane-Related Crystal Networks, IRANIAN JOURNAL OF MATHEMATICAL CHEMISTRY, Volume: 11, Issue: 2, Pages: 73-81, ISSN: 2228-6489, eISSN: 2008-9015, 2020;
154. Miclea, R.C., Dughir, C., Alexa, F., Sandru, F., Silea, I. Laser and LIDAR in a System for Visibility Distance Estimation in Fog Conditions, SENSORS, Volume: 20, Issue: 21, Article Number: 6322, PubMed ID: 33167586, eISSN: 1424-8220, 2020;
155. Milici, C., Machado, J.T., Draganescu, G. Application of the Euler and Runge-Kutta Generalized Methods for FDE and Symbolic Packages in the Analysis of Some Fractional Attractors, INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION, Volume: 21, Issue: 2, Pages: 159-170, ISSN: 1565-1339, eISSN: 2191-0294, 2020;

156. Militaru, B.A., Pode, R., Lupa, L., Schmidt, W., Tekle-Roettering, A., Kazamer, N. Using Sewage Sludge Ash as an Efficient Adsorbent for Pb (II) and Cu (II) in Single and Binary Systems, *MOLECULES*, Volume: 25, Issue: 11, Article Number: 2559, PubMed ID: 32486401, eISSN: 1420-3049, 2020;
157. Militaru, B.A., Pode, R., Lupa, L., Manea, F. STRUVITE PRECIPITATION FROM SEWAGE SLUDGE ASH, *ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL*, Volume: 19, Issue: 2, Pages: 303-310, ISSN: 1582-9596, eISSN: 1843-3707, 2020;
158. Mirsu, R., Simion, G., Căleanu, C.D., Pop-Călimanu, I.M. A PointNet-Based Solution for 3D Hand Gesture Recognition, *SENSORS*, Volume: 20, Issue: 11, Article Number: 3226, PubMed ID: 32517141, eISSN: 1424-8220, 2020;
159. Mitelea, I., Bordeas, I., Frant, F., Utu, I.D. Effect of heat treatment on corrosion and ultrasonic cavitation erosion resistance of AISi10MnMg alloy, *MATERIALS TESTING*, Volume: 62, Issue: 9, Pages: 921-926, ISSN: 0025-5300, 2020;
160. Mitelea, I., Simionescu, D., Crăciunescu, C.M., Utu, I.D. Fracture toughness of MAG welds in pulsed current of API 5L AX65M thermomechanical treated steel, *MATERIALS TESTING*, Volume: 62, Issue: 3, Pages: 304-310, ISSN: 0025-5300, 2020;
161. Mosoarca, G., Vancea, C., Popa, S., Gheju, M., Boran, S. Syringa vulgaris leaves powder a novel low-cost adsorbent for methylene blue removal: isotherms, kinetics, thermodynamic and optimization by Taguchi method, *SCIENTIFIC REPORTS*, Volume: 10, Issue: 1, Article Number: 17676, PubMed ID: 33077788, ISSN: 2045-2322, 2020;
162. Mosoarca, G., Vancea, C., Popa, S., Boran, S., Tanasie, C. A green approach for treatment of wastewater with manganese using wood ash, *JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY*, Volume: 95, Issue: 6, Pages: 1781-1789, ISSN: 0268-2575, eISSN: 1097-4660, 2020;
163. Mosoarca, M., Onescu, I., Onescu, E., Anastasiadis, A. Seismic vulnerability assessment methodology for historic masonry buildings in the near-field areas, *ENGINEERING FAILURE ANALYSIS*, Volume: 115, Article Number: 104662, ISSN: 1350-6307, eISSN: 1873-1961, 2020;
164. Muntean, R., Pascal, D.T., Rost, U., Marginean, G., Brodmann, M., Vaszilcsin, N. Synthesis and characterisation of platinum-cobalt-manganese ternary alloy catalysts supported on carbon nanofibers: An alternative catalyst for hydrogen evolution reaction, *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*, Volume: 45, Issue: 49, Special Issue: SI, Pages: 26217-26225, ISSN: 0360-3199, eISSN: 1879-3487, 2020;
165. Murvay, P.S., Groza, B. Efficient Physical Layer Key Agreement for FlexRay Networks, *IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY*, Volume: 69, Issue: 9, Pages: 9767-9780, ISSN: 0018-9545, eISSN: 1939-9359, 2020;
166. Murvay, P.S., Groza, B. TIDAL-CAN: Differential Timing Based Intrusion Detection and Localization for Controller Area Network, *IEEE ACCESS*, Volume: 8, Pages: 68895-68912, ISSN: 2169-3536, 2020;
167. Nagorny, A.V., Socoliuc, V., Petrenko, V.I., Almasy, L., Ivankov, O.I., Avdeev, M.V., Bulavin, L.A., Vekas, L. Structural characterization of concentrated aqueous ferrofluids, *JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS*, Volume: 501, Article Number: 166445, ISSN: 0304-8853, eISSN: 1873-4766, 2020;
168. Negjira, P., Druta, R., Silea, I. Availability Improvements through Data Slicing in PLC Smart Grid Networks, *SENSORS*, Volume: 20, Issue: 24, Article Number: 7256, PubMed ID: 33348872, eISSN: 1424-8220, 2020;
169. Negrea, A., Mihailescu, M., Mosoarca, G., Ciopec, M., Duteanu, N., Negrea, P., Minzatu, V. Estimation on Fixed-Bed Column Parameters of Breakthrough Behaviors for Gold Recovery by Adsorption onto Modified/Functionalized Amberlite XAD7, *INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH*, Volume: 17, Issue: 18, Article Number: 6868, PubMed ID: 32962235, eISSN: 1660-4601, 2020;
170. Negrea, P., Gabor, A., Davidescu, C.M., Ciopec, M., Negrea, A., Duteanu, N. Kinetics and thermodynamics modeling of Nd(III) removal from aqueous solution using modified Amberlite XAD7, *JOURNAL OF RARE EARTHS*, Volume: 38, Issue: 3, Pages: 306-314, ISSN: 1002-0721, 2020;
171. Negrea, R. On a class of stochastic integro-differential equations, *APPLICABLE ANALYSIS*, ISSN: 0003-6811, eISSN: 1563-504X, 2020;
172. Negrea, R. On a class of nonlinear stochastic integral equations, *NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS*, Volume: 54, Article Number: 103104, ISSN: 1468-1218, 2020;



173. Negrea, R. On the functional equation  $f(x \text{ plus } y) = f(x) \text{ plus } f(y)$ , MONATSCHEFTE FÜR MATHEMATIK, Volume: 191, Issue: 3, Pages: 635-637, ISSN: 0026-9255, eISSN: 1436-5081, 2020;
174. Negrea, R. On a nonlinear stochastic integral equation, MONATSCHEFTE FÜR MATHEMATIK, Volume: 192, Issue: 4, Pages: 905-914, ISSN: 0026-9255, eISSN: 1436-5081, 2020;
175. Nichita, I., Lupa, L., Visa, A., Popa, A. One-pot synthesis, characterization and in vitro antibacterial evaluation of bioactive "aminophosphinic acid" groups grafted onto polymeric-support, POLYMER BULLETIN, Volume: 78, Issue: 5, Pages: 2505-2522, ISSN: 0170-0839, eISSN: 1436-2449, 2020;
176. Nicola, R., Costisor, O., Ciopec, M., Negrea, A., Lazau, R., Ianasi, C., Piciorus, E.M., Len, A., Almasy, L., Szerb, E.I., Putz, A.M. Silica-Coated Magnetic Nanocomposites for Pb<sup>2+</sup> Removal from Aqueous Solution, APPLIED SCIENCES-BASEL, Volume: 10, Issue: 8, Article Number: 2726, eISSN: 2076-3417, 2020;
177. Nicolae, A., Korodi, A., Silea, I. Weather-Based Prediction Strategy inside the Proactive Historian with Application in Wastewater Treatment Plants, APPLIED SCIENCES-BASEL, Volume: 10, Issue: 9, Article Number: 3015, eISSN: 2076-3417, 2020;
178. Onchis, D.M., Istin, C., Tudoran, C., Tudoran, M., Real, P. Timely-Automatic Procedure for Estimating the Endocardial Limits of the Left Ventricle Assessed Echocardiographically in Clinical Practice, DIAGNOSTICS, Volume: 10, Issue: 1, Article Number: 40, PubMed ID: 31941079, eISSN: 2075-4418, 2020;
179. Ordodi, V., Pana, A.M., Dumitrel, A., Hadaruga, D., Tamas, A., Pode, V., Todea, A., Paunescu, V., Negru, S. AN ECOLOGICAL TREATMENT METHOD FOR IFOSFAMIDE CONTAMINATED WASTE WATER RESULTING FROM ONCOLOGICAL THERAPY, STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA, Volume: 65, Issue: 1, Pages: 267-277, ISSN: 1224-7154, 2020;
180. Osaci, M., Cacciola, M. Influence of the magnetic nanoparticle coating on the magnetic relaxation time, BEILSTEIN JOURNAL OF NANOTECHNOLOGY, Volume: 11, Pages: 1207-1216, PubMed ID: 32832316, ISSN: 2190-4286, 2020;
181. Ouamri, M.A., Otesteanu, M.E., Isar, A., Azni, M. Coverage, Handoff and cost optimization for 5G Heterogeneous Network, PHYSICAL COMMUNICATION, Volume: 39, Article Number: 101037, ISSN: 1874-4907, 2020;
182. Pana, A., Baloi, A., Molnar-Matei, F. New method for calculating the susceptances of a balancing capacitive compensator for a three-phase four-wire distribution network, INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, Volume: 115, Article Number: 105414, ISSN: 0142-0615, eISSN: 1879-3517, 2020;
183. Pana, A.M., Ordodi, V., Rusu, G., Gherman, V., Bandur, G., Rusnac, L.M., Dumitrel, G.A. Biodegradation Pattern of Glycopolymer Based on D-Mannose Oligomer and Hydroxypropyl Acrylate, POLYMERS, Volume: 12, Issue: 3, Article Number: 704, PubMed ID: 32235772, eISSN: 2073-4360, 2020;
184. Paparaskeva, G., Dinev, M.M., Krasia-Christoforou, T., Turcu, R., Porav, S.A., Balanean, F., Socoliuc, V. White Magnetic Paper with Zero Remanence Based on Electrospun Cellulose Microfibers Doped with Iron Oxide Nanoparticles, NANOMATERIALS, Volume: 10, Issue: 3, Article Number: 517, PubMed ID: 32178410, eISSN: 2079-4991, 2020;
185. Pascu, B., Negrea, A., Ciopec, M., Davidescu, C.M., Negrea, P., Gherman, V., Duteanu, N. New Generation of Antibacterial Products Based on Colloidal Silver, MATERIALS, Volume: 13, Issue: 7, Article Number: 1578, PubMed ID: 32235381, eISSN: 1996-1944, 2020;
186. Pascu, B., Ardean, C., Davidescu, C.M., Negrea, A., Ciopec, M., Duteanu, N., Negrea, P., Rusu, G. Modified Chitosan for Silver Recovery-Kinetics, Thermodynamic, and Equilibrium Studies, MATERIALS, Volume: 13, Issue: 3, Article Number: 657, PubMed ID: 32024185, eISSN: 1996-1944, 2020;
187. Patrut, B., Maris, S.A., Maris, S. Coding with Patience (Programare cu Rabdare) - a Non-Formal Educational Initiative to Increase the ICT Skills, POSTMODERN OPENINGS, Volume: 11, Issue: 3, Pages: 290-302, ISSN: 2068-0236, eISSN: 2069-9387, 2020;
188. Perdiou, A.S., Eldin, R.A., Hajaj, K.R., Rominu, M., Sinescu, C., Negrutiu, M., Negru, R.M., Hajaj, T. A Comparative Evaluation of Stress Resistance Between Nano-hybrid Composite and Ormocer Restorations on Posterior Teeth - in vitro Study, MATERIALE PLASTICE, Volume: 57, Issue: 1, Pages: 8-12, ISSN: 2668-8220, eISSN: 0025-5289, 2020;

189. Perju-Mitran, A., Zirra, D., Carutasu, G., Pirjan, A., Stanica, J.L. Applying the Technology Acceptance Model to Assess the Intention to Use an Aftermarket eCall Based on 112 Device for Passenger Vehicles to Ensure Sustainable Rescue Operations on European Roads, *SUSTAINABILITY*, Volume: 12, Issue: 22, Article Number: 9488, eISSN: 2071-1050, 2020;
190. Pevnaya, M.V., Drozdova, A.A., Cernicova-Buca, M. Making Room for Volunteer Participation in Managing Public Affairs: A Russian Experience, *SUSTAINABILITY*, Volume: 12, Issue: 24, Article Number: 10229, eISSN: 2071-1050, 2020;
191. Philippou, K., Christou, C.N., Socoliuc, V., Vekas, L., Tanasa, E., Miclau, M., Pashalidis, I., Krasia-Christoforou, T. Superparamagnetic polyvinylpyrrolidone/chitosan/Fe3O4 electrospun nanofibers as effective U(VI) adsorbents, *JOURNAL OF APPLIED POLYMER SCIENCE*, Volume: 138, Issue: 15, Article Number: e50212, ISSN: 0021-8995, eISSN: 1097-4628, 2020;
192. Pietras, D., Linul, E., Sadowski, T., Rusinek, A. Out-of-plane crushing response of aluminum honeycombs in-situ filled with graphene-reinforced polyurethane foam, *COMPOSITE STRUCTURES*, Volume: 249, Article Number: 112548, ISSN: 0263-8223, eISSN: 1879-1085, 2020;
193. Pohoryles, D.A., Maduta, C., Bournas, D.A., Kouris, L.A. Energy performance of existing residential buildings in Europe: A novel approach combining energy with seismic retrofitting, *ENERGY AND BUILDINGS*, Volume: 223, Article Number: 110024, ISSN: 0378-7788, eISSN: 1872-6178, 2020;
194. Pop, M.D., Prostean, O., Prostean, G. Fault Detection Based on Parity Equations in Multiple Lane Road Car-Following Models Using Bayesian Lane Change Estimation, *JOURNAL OF SENSOR AND ACTUATOR NETWORKS*, Volume: 9, Issue: 4, Article Number: 52, eISSN: 2224-2708, 2020;
195. Pop, M.D., Prostean, O., David, T.M., Prostean, G. Hybrid Solution Combining Kalman Filtering with Takagi-Sugeno Fuzzy Inference System for Online Car-Following Model Calibration, *SENSORS*, Volume: 20, Issue: 19, Article Number: 5539, PubMed ID: 32992622, eISSN: 1424-8220, 2020;
196. Pop, M.C. Teaching and Learning Strategies for Specialised Translation in MLA: The Project in Technical Translation Class, *LITERA-JOURNAL OF LANGUAGE LITERATURE AND CULTURE STUDIES*, Volume: 30, Issue: 1, Pages: 45-62, ISSN: 1304-0057, eISSN: 2602-2117, 2020;
197. Pop, N., Beiu, R., Svera, P., Mnerie, C., Hutiu, G., Duma, V.F. THERMAL DEGRADATION OF PHOTOVOLTAIC PANELS: EVALUATIONS USING A RANGE OF TESTING METHODS, *JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY* Volume: 21, Issue: 6, Pages: 2083-2092, ISSN: 1311-5065, 2020;
198. Pop-Calimanu, I.M., Balint, M., Lascu, D. A New Hybrid Cuk DC-DC Converter with Coupled Inductors, *ELECTRONICS*, Volume: 9, Issue: 12, Article Number: 2188, eISSN: 2079-9292, 2020;
199. Popa, C.A. Dissipativity of impulsive matrix-valued neural networks with leakage delay and mixed delays, *NEUROCOMPUTING*, Volume: 405, Pages: 85-95, ISSN: 0925-2312, eISSN: 1872-8286, 2020;
200. Popa, C.A., Kaslik, E. Finite-Time Mittag-Leffler Synchronization of Neutral-Type Fractional-Order Neural Networks with Leakage Delay and Time-Varying Delays, *MATHEMATICS*, Volume: 8, Issue: 7, Article Number: 1146, eISSN: 2227-7390, 2020;
201. Popa, C.A. Global mu-stability of neutral-type impulsive complex-valued BAM neural networks with leakage delay and unbounded time-varying delays, *NEUROCOMPUTING*, Volume: 376, Pages: 73-94, ISSN: 0925-2312, eISSN: 1872-8286, 2020;
202. Popa, S., Milea, M.S., Boran, S., Nitu, S.V., Mosoarca, G.E., Vancea, C., Lazau, R.I. Rapid adulteration detection of cold pressed oils with their refined versions by UV-Vis spectroscopy, *SCIENTIFIC REPORTS*, Volume: 10, Issue: 1, Article Number: 16100, PubMed ID: 32999344, ISSN: 2045-2322, 2020;
203. Popescu, E., Popescu, C.A., Herbei, M.V., Horablaga, A., Smulea, A. 3D MODELING OF WASTE DUMPS IN ORDER TO ECOLOGY OF MINING AREAS, *AGROLIFE SCIENTIFIC JOURNAL*, Volume: 9, Issue: 2, Pages: 240-249, ISSN: 2285-5718, eISSN: 2286-0126, 2020;
204. Popescu, G., Radulov, I., Iordanescu, O.A., Orboi, M.D., Radulescu, L., Druga, M., Bujanca, G.S., David, I., Hadaruga, D.I., Lucan, C.A., Hadaruga, N.G., Rivis, M. Karl Fischer Water Titration-Principal Component Analysis Approach on Bread Products, *APPLIED SCIENCES-BASEL*, Volume: 10, Issue: 18, Article Number: 6518, eISSN: 2076-3417, 2020;
205. Precup, R.E., Voisan, E.I., Petriu, E.M., Tomescu, M.L., David, R.C., Szedlak-Stinean, A.I., Roman, R.C. Grey Wolf Optimizer-Based Approaches to Path Planning and Fuzzy Logic-based Tracking Control for Mobile Robots, *INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL*, Volume: 15, Issue: 3, Article Number: 3844, ISSN: 1841-9836, eISSN: 1841-9844, 2020;

206. Precup, R.E., Roman, R.C., Teban, T.A., Albu, A., Petriu, E.M., Pozna, C. Model-Free Control of Finger Dynamics in Prosthetic Hand Myoelectric-based Control Systems, *STUDIES IN INFORMATICS AND CONTROL*, Volume: 29, Issue: 4, Pages: 399-410, ISSN: 1220-1766, 2020;
207. Precup, R.E., Preitl, S., Petriu, E.M., Roman, R.C., Bojan-Dragos, C.A., Hedrea, E.L., Szedlak-Stinean, A.I. A CENTER MANIFOLD THEORY-BASED APPROACH TO THE STABILITY ANALYSIS OF STATE FEEDBACK TAKAGI-SUGENO-KANG FUZZY CONTROL SYSTEMS, *FACTA UNIVERSITATIS-SERIES MECHANICAL ENGINEERING*, Volume: 18, Issue: 2, Pages: 189-204, ISSN: 0354-2025, eISSN: 2335-0164, 2020;
208. Precup, R.E., Teban, T.A., Albu, A., Borlea, A.B., Zamfirache, I.A., Petriu, E.M. Evolving Fuzzy Models for Prosthetic Hand Myoelectric-Based Control, *IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT*, Volume: 69, Issue: 7, Pages: 4625-4636, ISSN: 0018-9456, eISSN: 1557-9662, 2020;
209. Pugna, A., Negrea, R., Linul, E., Marsavina, L. Is Fracture Toughness of PUR Foams a Material Property? A Statistical Approach, *MATERIALS*, Volume: 13, Issue: 21, Article Number: 4868, PubMed ID: 33143072, eISSN: 1996-1944, 2020;
210. Pugna, A.P., Potra, S.A., Negrea, R. A strategic decision making tool for new product and service design, *MANAGEMENT DECISION*, Volume: 59, Issue: 2, Pages: 406-425, ISSN: 0025-1747, eISSN: 1758-6070, 2020;
211. Radac, M.B., Lala, T. Robust Control of Unknown Observable Nonlinear Systems Solved as a Zero-Sum Game, *IEEE ACCESS*, Volume: 8, Pages: 214153-214165, ISSN: 2169-3536, 2020;
212. Radulescu-Grad, M.E., Visa, A., Milea, M.S., Laza, R.I., Popa, S., Funar-Timofei, S. Synthesis, spectral characterization, and theoretical investigations of a new azo-stilbene dye for acrylic resins, *JOURNAL OF MOLECULAR STRUCTURE*, Volume: 1217, Article Number: 128380, ISSN: 0022-2860, eISSN: 1872-8014, 2020;
213. Ratiu, S.A., Mihon, N.L., Armion, M.D. STUDY ON THE RECYCLING METHODS OF USED ENGINE OIL, *INGINERIA AUTOMOBILULUI*, Issue: 55, Pages: 20-22, ISSN: 1842-4074, 2020;
214. Ratiu, S.A., Mihon, N.L., Laza, I., Armioni, M.D. A REVIEW ON THE CONTAMINATION OF USED ENGINE OIL, *INGINERIA AUTOMOBILULUI*, Issue: 57, Pages: 20-25, ISSN: 1842-4074, 2020;
215. Remes, A., Manea, F., Motoc, S., Baci, A., Szerb, E.I., Gascon, J., Gug, G. Highly Sensitive Non-Enzymatic Detection of Glucose at MWCNT-CuBTC Composite Electrode, *APPLIED SCIENCES-BASEL*, Volume: 10, Issue: 23, Article Number: 8419, eISSN: 2076-3417, 2020;
216. Roata, I.C., Croitoru, C., Pascu, A., Stanciu, E.M., Hulka, I., Petre, I., Gabor, C., Patroi, D., Sbarcea, B.G. Surface engineering of Ni-Al coatings through concentrated solar heat treatment, *APPLIED SURFACE SCIENCE*, Volume: 506, Article Number: 144185, ISSN: 0169-4332, eISSN: 1873-5584, 2020;
217. Rusu, D., Stratul, S.I., Calniceanu, H., Boariu, M., Ogorescu, A., Milicescu, S., Didilescu, A., Roman, A., Surlin, P., Locovei, C., Chiperi, M., Solomon, S., Nica, L. A qualitative and semiquantitative SEM study of the morphology of the biofilm on root surfaces of human teeth with endodontic-periodontal lesions, *EXPERIMENTAL AND THERAPEUTIC MEDICINE*, Volume: 20, Issue: 6, Article Number: 201, PubMed ID: 33133249, ISSN: 1792-0981, eISSN: 1792-1015, 2020;
218. Sajfert, V., Pop, N., Popov, D. Geometrical analyses of nanostructures, *NANOSYSTEMS-PHYSICS CHEMISTRY MATHEMATICS*, Volume: 11, Issue: 1, Pages: 36-43, ISSN: 2220-8054, eISSN: 2305-7971, 2020;
219. Salvia, R., Halbac-Cotoara-Zamfir, R., Cividino, S., Salvati, L., Quaranta, G. From Rural Spaces to Peri-Urban Districts: Metropolitan Growth, Sparse Settlements and Demographic Dynamics in a Mediterranean Region, *LAND*, Volume: 9, Issue: 6, Article Number: 200, eISSN: 2073-445X, 2020;
220. Sarb, D., Bogdan, R., Pop, N. PRACTICAL RELIABILITY ASSESSMENT FOR INTERNET OF THINGS BY MEANS OF MONTE CARLO SIMULATION, *JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY*, Volume: 21, Issue: 2, Pages: 507-517, ISSN: 1311-5065, 2020;
221. Sarbu, I., Mirza, M., Crasmareanu, E. OPTIMISATION OF DISTRICT HEATING SYSTEMS USING HEURISTIC METHODS: A REVIEW, *PROCEEDINGS OF THE ROMANIAN ACADEMY SERIES A-MATHEMATICS PHYSICS TECHNICAL SCIENCES INFORMATION SCIENCE*, Volume: 21, Issue: 4, Pages: 319-328, ISSN: 1454-9069, 2020;
222. Sarbu, I., Sebarchievici, C. Exploratory Research to Improve Energy-Efficiency of a Ground-Coupled Heat Pump Utilizing an Automatic Control Device of Circulation Pump Speed, *ENERGIES*, Volume: 13, Issue: 19, Article Number: 5016, eISSN: 1996-1073, 2020;

223. Sarfraz, M., Shah, S.G.M., Ivascu, L., Qureshi, M.A.A. Explicating the impact of hierarchical CEO succession on small-medium enterprises' performance and cash holdings, *INTERNATIONAL JOURNAL OF FINANCE & ECONOMICS*, ISSN: 1076-9307, eISSN: 1099-1158, 2020;
224. Sbarcea, L., Tanase, I.M., Ledeti, A., Circioban, D., Vlase, G., Barvinschi, P., Miclau, M., Varut, R.M., Trandafirescu, C., Ledeti, I. Encapsulation of Risperidone by Methylated beta-Cyclodextrins: Physicochemical and Molecular Modeling Studies, *MOLECULES*, Volume: 25, Issue: 23, Article Number: 5694, PubMed ID: 33287127, eISSN: 1420-3049, 2020;
225. Serban, D.A., Furtos, G., Marsavina, L., Sosdean, C., Negru, R. Numerical modelling of the mechanical behaviour of wood fibre-reinforced geopolymers, *CONTINUUM MECHANICS AND THERMODYNAMICS*, ISSN: 0935-1175, eISSN: 1432-0959, 2020;
226. Serban, D.A., Negru, R., Filipescu, H., Marsavina, L. Investigations on the influence of the triaxial state of stress on the failure of polyurethane rigid foams, *CONTINUUM MECHANICS AND THERMODYNAMICS*, ISSN: 0935-1175, eISSN: 1432-0959, 2020;
227. Shah, S.G.M., Sarfraz, M., Ivascu, L. Assessing the interrelationship corporate environmental responsibility, innovative strategies, cognitive and hierarchical CEO: A stakeholder theory perspective, *CORPORATE SOCIAL RESPONSIBILITY AND ENVIRONMENTAL MANAGEMENT*, Volume: 28, Issue: 1, Pages: 457-473, ISSN: 1535-3958, eISSN: 1535-3966, 2020;
228. Simo, A., Dzitac, S., Frigura-Iliasa, F.M., Musuroi, S., Andea, P., Meianu, D. Technical Solution for a Real-Time Air Quality Monitoring System, *INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL*, Volume: 15, Issue: 4, Article Number: 3891, ISSN: 1841-9836, eISSN: 1841-9844, 2020;
229. Simon, S., Stoian, C.E., Gherhes, V. The Concept of Sustainability in the Romanian Top Universities' Strategic Plans, *SUSTAINABILITY*, Volume: 12, Issue: 7, Article Number: 2757, eISSN: 2071-1050, 2020;
230. Smuleac, A., Smuleac, L., Man, T.E., Popescu, C.A., Imbrea, F., Radulov, I., Adamov, T., Pascalau, R. Use of Modern Technologies for the Conservation of Historical Heritage in Water Management, *WATER*, Volume: 12, Issue: 10, Article Number: 2895, eISSN: 2073-4441, 2020;
231. Stan, D.V. Considerations on the Drying of the Raw Material and Consequences on the Quality of the Injected Products, *MATERIALE PLASTICE*, Volume: 57, Issue: 1, Pages: 46-56, ISSN: 2668-8220, eISSN: 0025-5289, 2020;
232. Stavi, I., Siad, S.M., Kyriazopoulos, A.P., Halbac-Cotoara-Zamfir, R. Water runoff harvesting systems for restoration of degraded rangelands: A review of challenges and opportunities, *JOURNAL OF ENVIRONMENTAL MANAGEMENT*, Volume: 255, Article Number: 109823, PubMed ID: 31785458, ISSN: 0301-4797, eISSN: 1095-8630, 2020;
233. Stefanovic, N., Blagojevic, M., Pokrajac, I., Greconici, M., Cen, Y.G., Mladenovic, V. A Symbolic Encapsulation Point as Tool for 5G Wideband Channel Cross-Layer Modeling, *ENTROPY*, Volume: 22, Issue: 10, Article Number: 1151, PubMed ID: 33286920, eISSN: 1099-4300, 2020;
234. Stirb, I. Improving runtime performance and energy consumption through balanced data locality with NUMA-BTLP and NUMA-BTDM static algorithms for thread classification and thread type-aware mapping, *INTERNATIONAL JOURNAL OF COMPUTATIONAL SCIENCE AND ENGINEERING*, Volume: 22, Issue: 2-3, Pages: 200-210, ISSN: 1742-7185, eISSN: 1742-7193, 2020;
235. Stoia, D.L., Marsavina, L., Linul, E. Mode I Fracture Toughness of Polyamide and Alimide Samples obtained by Selective Laser Sintering Additive Process, *POLYMERS*, Volume: 12, Issue: 3, Article Number: 640, PubMed ID: 32168974, eISSN: 2073-4360, 2020;
236. Stratan, A., Zub, C.I., Dubina, D. Prequalification of a set of buckling restrained braces: Part I - experimental tests, *STEEL AND COMPOSITE STRUCTURES*, Volume: 34, Issue: 4, Pages: 547-559, ISSN: 1229-9367, eISSN: 1598-6233, 2020;
237. Sumalan, R.L., Muntean, C., Kostov, A., Krzanovic, D., Jucsor, N.L., Ciulca, S.I., Sumalan, R.M., Gheju, M., Cernicova-Buca, M. The cup plant (*Silphium perfoliatum* L.) - a viable solution for bioremediating soils polluted with heavy metals, *NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA*, Volume: 48, Issue: 4, Pages: 2095-2113, ISSN: 0255-965X, eISSN: 1842-4309, 2020;
238. Susan-Resiga, D., Malaescu, I., Marinica, O., Marin, C.N. Magnetorheological properties of a kerosene-based ferrofluid with magnetite particles hydrophobized in the absence of the dispersion medium, *PHYSICA B-CONDENSED MATTER*, Volume: 587, Article Number: 412150, ISSN: 0921-4526, eISSN: 1873-2135, 2020;
239. Szabo, R.Z., Herceg, I.V., Hanak, R., Hortovanyi, L., Romanova, A., Mocan, M., Djuricin, D. Industry 4.0 Implementation in B2B Companies: Cross-Country Empirical Evidence on Digital Transformation in the CEE Region, *SUSTAINABILITY*, Volume: 12, Issue: 22, Article Number: 9538, eISSN: 2071-1050, 2020;

240. Tamas, A., Cozma, I., Cocheci, L., Lupa, L., Rusu, G. Adsorption of Orange II Onto ZnAl-Layered Double Hydroxide Prepared From Zinc Ash, *FRONTIERS IN CHEMISTRY*, Volume: 8, Article Number: 573535, PubMed ID: 33425845, ISSN: 2296-2646, 2020;
241. Tamasila, M., Prostean, G., Ivascu, L., Cioca, L.I., Draghici, A., Diaconescu, A. Evaluating and prioritizing municipal solid waste management-related factors in Romania using fuzzy AHP and TOPSIS, *JOURNAL OF INTELLIGENT & FUZZY SYSTEMS*, Volume: 38, Issue: 5, Pages: 6111-6127, ISSN: 1064-1246, eISSN: 1875-8967, 2020;
242. Tanasa, C., Dan, D., Becchio, C., Corgnati, S.P., Stoian, V. Cost-optimal and indoor environmental quality assessment for residential buildings towards EU long-term climate targets, *ENERGY FOR SUSTAINABLE DEVELOPMENT*, Volume: 59, Pages: 49-61, ISSN: 0973-0826, eISSN: 2352-4669, 2020;
243. Tanase, I.M., Sbarcea, L., Ledeti, A., Vlase, G., Barvinschi, P., Varut, R.M., Dragomirescu, A., Axente, C., Ledeti, I. Physicochemical characterization and molecular modeling study of host-guest systems of aripiprazole and functionalized cyclodextrins, *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*, Volume: 141, Issue: 3, Pages: 1027-1039, ISSN: 1388-6150, eISSN: 1588-2926, 2020;
244. Tanase, I.M., Sbarcea, L., Ledeti, A., Barvinschi, P., Circioban, D., Vlase, G., Varut, R.M., Ledeti, I. Compatibility studies with pharmaceutical excipients for aripiprazole-heptakis (2,6-di-O-methyl)-beta-cyclodextrin supramolecular adduct, *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*, Volume: 142, Issue: 5, Pages: 1963-1976, ISSN: 1388-6150, eISSN: 1588-2926, 2020;
245. Tekle-Roettering, A., Lim, S., Reisz, E., Lutze, H.V., Abdighahroudi, M.S., Willach, S., Schmidt, W., Tentscher, P.R., Rentsch, D., McArdell, C.S., Schmidt, T.C., von Gunten, U. Reactions of pyrrole, imidazole, and pyrazole with ozone: kinetics and mechanisms, *ENVIRONMENTAL SCIENCE-WATER RESEARCH & TECHNOLOGY*, Volume: 6, Issue: 4, Pages: 976-992, ISSN: 2053-1400, eISSN: 2053-1419, 2020;
246. Tigan, G., Lugojan, S., Ciurdariu, L. Analysis of Degenerate Chenciner Bifurcation, *INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS*, Volume: 30, Issue: 16, Article Number: 2050245, ISSN: 0218-1274, eISSN: 1793-6551, 2020;
247. Tigan, G., Lazureanu, C., Munteanu, F., Sterbeti, C., Florea, A. Bifurcation diagrams in a class of Kolmogorov systems, *NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS*, Volume: 56, Article Number: 103154, ISSN: 1468-1218, 2020;
248. Tigan, G., Efrem, R. Analysis of a map-based neuronal model, *JOURNAL OF DIFFERENCE EQUATIONS AND APPLICATIONS*, Volume: 26, Issue: 5, Pages: 643-656, ISSN: 1023-6198, eISSN: 1563-5120, 2020;
249. Tiwari, A.K., Adewuyi, A.O., Albulescu, C.T., Wohar, M.E. Empirical evidence of extreme dependence and contagion risk between main cryptocurrencies, *NORTH AMERICAN JOURNAL OF ECONOMICS AND FINANCE*, Volume: 51, Article Number: 101083, ISSN: 1062-9408, eISSN: 1879-0860, 2020;
250. Tmusic, G., Manfreda, S., Aasen, H., James, M.R., Goncalves, G., Ben-Dor, E., Brook, A., Polinova, M., Arranz, J.J., Meszaros, J., Zhuang, R.D., Johansen, K., Malbeteau, Y., de Lima, I.P., Davids, C., Herban, S., McCabe, M.F. Current Practices in UAS-based Environmental Monitoring, *REMOTE SENSING*, Volume: 12, Issue: 6, Article Number: 1001, eISSN: 2072-4292, 2020;
251. Todea, A., Aparaschivei, D., Bitcan, I., Ledeti, I.V., Bandur, G., Peter, F., Nagy, L., Keki, S., Biro, E. Thermal behavior of oligo[(epsilon-caprolactone)-co-delta-gluconolactone] enzymatically synthesized in reaction conditions optimized by experimental design, *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*, Volume: 141, Issue: 3, Pages: 1017-1026, ISSN: 1388-6150, eISSN: 1588-2926, 2020;
252. Topirceanu, A., Udrescu, L., Udrescu, M., Mihaicuta, S. Gender Phenotyping of Patients with Obstructive Sleep Apnea Syndrome Using a Network Science Approach, *JOURNAL OF CLINICAL MEDICINE*, Volume: 9, Issue: 12, Article Number: 4025, PubMed ID: 33322816, eISSN: 2077-0383, 2020;
253. Topirceanu, A., Precup, R.E. A framework for improving electoral forecasting based on time-aware polling, *SOCIAL NETWORK ANALYSIS AND MINING*, Volume: 10, Issue: 1, Article Number: 39, ISSN: 1869-5450, eISSN: 1869-5469, 2020;
254. Tudoran, R.M., Girban, A. On the rattleback dynamics, *JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS*, Volume: 488, Issue: 1, Article Number: 124066, ISSN: 0022-247X, eISSN: 1096-0813, 2020;
255. Tulcan, A., Vasilescu, M.D., Tulcan, L. Study of the Influence of Technological Parameters on Generating Flat Part with Cylindrical Features in 3D Printing with Resin Cured by Optical Processing, *POLYMERS*, Volume: 12, Issue: 9, Article Number: 1941, PubMed ID: 32867332, eISSN: 2073-4360, 2020;

256. Udrescu, L., Bogdan, P., Chis, A., Sirbu, I.O., Topirceanu, A., Varut, R.M., Udrescu, M. Uncovering New Drug Properties in Target-Based Drug-Drug Similarity Networks, *PHARMACEUTICS*, Volume: 12, Issue: 9, Article Number: 879, PubMed ID: 32947845, eISSN: 1999-4923, 2020;
257. Ungurean, L., Micea, M.V., Carstoiu, G. Online state of health prediction method for lithium-ion batteries, based on gated recurrent unit neural networks, *INTERNATIONAL JOURNAL OF ENERGY RESEARCH*, Volume: 44, Issue: 8, Pages: 6767-6777, ISSN: 0363-907X, eISSN: 1099-114X, 2020;
258. Ungureanu, V.I., Miclea, R.C., Korodi, A., Silea, I. A Novel Approach against Sun Glare to Enhance Driver Safety, *APPLIED SCIENCES-BASEL*, Volume: 10, Issue: 9, Article Number: 3032, eISSN: 2076-3417, 2020;
259. Ursu, D., Dabici, A., Miclau, M., Miclau, N. Low-temperature hydrothermal synthesis of hierarchical flower-like Cu<sub>2</sub>O superstructures, *PROCESSING AND APPLICATION OF CERAMICS*, Volume: 14, Issue: 2, Pages: 113-118, ISSN: 1820-6131, eISSN: 2406-1034, 2020;
260. Utu, I.D., Muntean, R., Mitelea, I. Corrosion and Wear Properties of Zn-Based Composite Coatings, *JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE*, Volume: 29, Issue: 8, Pages: 5360-5365, ISSN: 1059-9495, eISSN: 1544-1024, 2020;
261. Vajda, M., Ursu, D., Mosoarca, C., Duteanu, N., Miclau, M. Experimental investigation of hydrogen insertion in copper oxide on photovoltaic performance of p-type dye-sensitized solar cell, *INTERNATIONAL JOURNAL OF ENERGY RESEARCH*, Volume: 45, Issue: 4, Pages: 5309-5317, ISSN: 0363-907X, eISSN: 1099-114X, 2020;
262. Vajda, M., Ursu, D., Duteanu, N., Miclau, M. Low lying valence band edge materials based on copper oxide for tandem dye -sensitized solar cells, *MATERIALS LETTERS*, Volume: 275, Article Number: 128151, ISSN: 0167-577X, eISSN: 1873-4979, 2020;
263. Vamvatsikos, D., Bakalis, K., Kohrangi, M., Pyrza, S., Castiglioni, C.A., Kanyilmaz, A., Morelli, F., Stratan, A., D'Aniello, M., Calado, L., Proenca, J.M., Degee, H., Hoffmeister, B., Pinkawa, M., Thanopoulos, P., Vayas, I. A risk-consistent approach to determine EN1998 behaviour factors for lateral load resisting systems, *SOIL DYNAMICS AND EARTHQUAKE ENGINEERING*, Volume: 131, Article Number: 106008, ISSN: 0267-7261, eISSN: 1879-341X, 2020;
264. van Pinxteren, B., Emirhafizovic, M., Dailidienė, I., Figurek, A., Halbac-Cotoara-Zamfir, R., Metrak, M. Education for Resilience: How a Combination of Systemic and Bottom-Up Changes in Educational Services Can Empower Dryland Communities in Africa and Central Asia, *JOURNAL OF ASIAN AND AFRICAN STUDIES*, Volume: 56, Issue: 6, Pages: 1271-1285, Article Number: 0021909620960177, ISSN: 0021-9096, eISSN: 1745-2538, 2020;
265. Vancea, C., Mihailescu, M., Negrea, A., Mosoarca, G., Ciopec, M., Duteanu, N., Negrea, P., Minzatu, V. Batch and Fixed-Bed Column Studies on Palladium Recovery from Acidic Solution by Modified MgSiO<sub>3</sub>, *INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH*, Volume: 17, Issue: 24, Article Number: 9500, PubMed ID: 33352975, eISSN: 1660-4601, 2020;
266. Vangijzegem, T., Stanicki, D., Panepinto, A., Socoliuc, V., Vekas, L., Muller, R.N., Laurent, S. Influence of Experimental Parameters of a Continuous Flow Process on the Properties of Very Small Iron Oxide Nanoparticles (VSION) Designed for Ti -Weighted Magnetic Resonance Imaging (MRI), *NANOMATERIALS*, Volume: 10, Issue: 4, Article Number: 757, eISSN: 2079-4991, 2020;
267. Varga, M.G., Rata, A.L. The effect of a group exercise program on functional performance of patients with moderate knee osteoarthritis, *BALNEO RESEARCH JOURNAL*, Volume: 11, Issue: 3, Pages: 405-408, ISSN: 2069-7597, eISSN: 2069-7619, 2020;
268. Vasiliu, R.D., Porojan, S.D., Birdeanu, M.I., Utu, I.D., Porojan, L. The Effect of Thermocycling and Surface Treatments on the Surface Roughness and Microhardness of Three Heat-Pressed Ceramics Systems, *CRYSTALS*, Volume: 10, Issue: 3, Article Number: 160, ISSN: 2073-4352, 2020;
269. Visa, A., Maranescu, B., Lupa, L., Crisan, L., Borota, A. New Efficient Adsorbent Materials for the Removal of Cd(II) from Aqueous Solutions, *NANOMATERIALS*, Volume: 10, Issue: 5, Article Number: 899, PubMed ID: 32397122, eISSN: 2079-4991, 2020;
270. Vlase, D., Mosoiu, C., Vlase, G., Lazau, R., Vlase, T. Comparative analyses of Roman mortars belonging to different ancient periods from Drobeta-Turnu Severin region, *JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY*, Volume: 141, Issue: 3, Pages: 991-998, ISSN: 1388-6150, eISSN: 1588-2926, 2020;
271. Voda, M., Codrean, C., Serban, V.A., Tosa, D., Zabava, E. Magnetic properties optimization of Zr/Fe dual amorphous phase bulk metallic glasses, *UIS INGENIERIAS*, Volume: 19, Issue: 1, Pages: 67-71, ISSN: 1657-4583, eISSN: 2145-8456, 2020;
272. Voicu, A., Duteanu, N., Voicu, M., Vlad, D., Dumitrascu, V. The rcdk and cluster R packages applied to drug candidate selection, *JOURNAL OF CHEMINFORMATICS*, Volume: 12, Issue: 1, Article Number: 3, PubMed ID: 33430987, ISSN: 1758-2946, 2020;

273. Vujic, B., Pode, V., Micic, J., Popescu, F., Marceta, U., Cioabla, A.E. PRELIMINARY ASSESSMENT OF PARTICULATE CONCENTRATION NEAR COAL FIRED POWER PLANT, *STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA*, Volume: 65, Issue: 1, Pages: 291-303, ISSN: 1224-7154, 2020;
274. Vujic, B., Stanisavljevic, N., Popescu, F., Tosic, N., Marceta, U., Pardanjac, M., Pode, V. INFLUENCE OF LANDFILL METHANE EMISSIONS ON ENVIRONMENT - DISTRIBUTION MODELLING AND ASSESSMENT, *STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA*, Volume: 65, Issue: 1, Pages: 305-319, ISSN: 1224-7154, 2020;
275. Wachter, M.R., Ionel, I., Dan, D. MODEL SETUP FOR A WASTE INCINERATION LANDFILL DISPOSAL, *JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY*, Volume: 21, Issue: 2, Pages: 596-603, ISSN: 1311-5065, 2020;
276. Zaharia, C., Duma, V.F., Sinescu, C., Socoliuc, V., Craciunescu, I., Turcu, R.P., Marin, C.N., Tudor, A., Rominu, M., Negrutiu, M.L. Dental Adhesive Interfaces Reinforced with Magnetic Nanoparticles: Evaluation and Modeling with Micro-CT versus Optical Microscopy, *MATERIALS*, Volume: 13, Issue: 18, Article Number: 3908, PubMed ID: 32899605, eISSN: 1996-1944, 2020;
277. Zamfira, A., Ciocarlie, H. A NETWORK INTRUSION DETECTION SYSTEM BASED ON ARTIFICIAL INTELLIGENCE AND SEMANTIC WEB TECHNIQUES, *ACTA TECHNICA NAPOCENSIS SERIES-APPLIED MATHEMATICS MECHANICS AND ENGINEERING*, Volume: 63, Issue: 4, Pages: 451-460, ISSN: 1221-5872, 2020;
278. Zirra, D., Perju-Mitran, A., Carutasu, G., Pirjan, A., Garais, E.G. An Analysis of the Socio-Economic and Human Life Impact of Implementing the eCall In Vehicle System (IVS) in the Purpose of Ensuring Sustainable, Improved Rescue Operations on European Roads, *SUSTAINABILITY*, Volume: 12, Issue: 13, Article Number: 5341, eISSN: 2071-1050, 2020;
279. Zub, C.I., Stratan, A., Dubina, D. Prequalification of a set of buckling restrained braces: Part II - numerical simulations, *STEEL AND COMPOSITE STRUCTURES*, Volume: 34, Issue: 4, Pages: 561-580, ISSN: 1229-9367, eISSN: 1598-6233, 2020.

\* The data was obtained from Web of Science - Clarivate Analytics in 26 August 2021

## Papers in ISI Proceedings



1. Alexa, V., Cioata, V.G., Ratiu, S.A., Dascal, A.A. Testing the functionality of the safety belts of road vehicles in the production process phase, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012039, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
2. Amaricai, A., Stein, D., Boncalo, O. Generalized Very High Throughput Unrolled LDPC Layered Decoder, 2020 28TH TELECOMMUNICATIONS FORUM (TELFOR), Pages: 113-116, 28th Telecommunications Forum (TELFOR), NOV 24-25, 2020, Belgrade, SERBIA, ISBN: 978-0-7381-4243-2, Published: 2020;
3. Andone, D., Ternauciu, A., Vasii, R., Mihaescu, V., Vert, S. DigiCulture - an open education environment for digital skills, 2020 IEEE 20TH INTERNATIONAL CONFERENCE ON ADVANCED LEARNING TECHNOLOGIES (ICALT 2020), Book Series: IEEE International Conference on Advanced Learning Technologies, Pages: 24-26, 20th IEEE International Conference on Advanced Learning Technologies (ICALT), JUL 06-09, 2020, ELECTR NETWORK, ISSN: 2161-3761, ISBN: 978-1-7281-6090-0, Published: 2020;
4. Andone, D., Mihaescu, V., Vert, S., Ternauciu, A., Vasii, R. Students as OERs (Open Educational Resources) co-creators, 2020 IEEE 20TH INTERNATIONAL CONFERENCE ON ADVANCED LEARNING TECHNOLOGIES (ICALT 2020), Book Series: IEEE International Conference on Advanced Learning Technologies, Pages: 34-38, 20th IEEE International Conference on Advanced Learning Technologies (ICALT), JUL 06-09, 2020, ELECTR NETWORK, ISSN: 2161-3761, ISBN: 978-1-7281-6090-0, Published: 2020;
5. Anton, A., Cioarga, R. Bunkers: Jail Application Level Firewall for the Mitigation and Identification of Service Takeover Attacks on HardenedBSD, COMPUTER SECURITY: ESORICS 2019 INTERNATIONAL WORKSHOPS, IOSEC, MSTEC, AND FINSEC, Book Series: Lecture Notes in Computer Science, Volume: 11981, Pages: 242-257, 24th European Symposium on Research in Computer Security (ESORICS), SEP 23-27, 2019, Luxembourg, LUXEMBOURG, ISSN: 0302-9743, eISSN: 1611-3349, ISBN: 978-3-030-42051-2; 978-3-030-42050-5, Published: 2020;
6. Ardelean, M., Ardelean, E., Josan, A., Socalici, V. Braking mechanism for profile rolling mill cooling bed. Analysis and operation, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012018, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
7. Armas, A., Beilicci, E., Beilicci, R. Hydraulic calculation of fish ladders, Sebesel River, Romania, 5TH WORLD MULTIDISCIPLINARY CIVIL ENGINEERING-ARCHITECTURE-URBAN PLANNING SYMPOSIUM (WMCAUS), Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 960, Article Number: 032080, 5th World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), JUN 15-19, 2020, Prague, CZECH REPUBLIC, ISSN: 1757-8981, Published: 2020;
8. Arvinti, B., Toader, D., Vesa, D., Costache, M. Experimental and Analytical Study of the Electric Potential using Lagrange Polynomials, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 123-126, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
9. Arvinti, B., Stolz, R., Costache, M. Spectral Component Analysis of Magnetically Unshielded Magnetocardiograms, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 249-252, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
10. Baciu, I., Cuntan, C.D., Gherman, P.L. The power chopper with forced extinguish and command realized with FPGA, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012032, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
11. Barb, G., Otesteanu, M., Roman, M. Dynamic Spectrum Sharing for LTE-NR Downlink MIMO Systems, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 391-394, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;

12. Barb, G., Otesteanu, M., Alexa, F., Danuti, F. OFDM Multi-Numerology for Future 5G New Radio Communication Systems, 2020 28TH INTERNATIONAL CONFERENCE ON SOFTWARE, TELECOMMUNICATIONS AND COMPUTER NETWORKS (SOFTCOM), Book Series: International Conference on Software in Telecommunications and Computer Networks, Pages: 276-278, 28th International Conference on Software, Telecommunications and Computer Networks (SoftCOM), SEP 17-19, 2020, ELECTR NETWORK, ISSN: 1848-1744, ISBN: 978-953-290-099-6, Published: 2020;
13. Barb, G., Otesteanu, M. 4G/5G: A Comparative Study and Overview on What to Expect from 5G, 2020 43RD INTERNATIONAL CONFERENCE ON TELECOMMUNICATIONS AND SIGNAL PROCESSING (TSP), Pages: 37-40, 43rd International Conference on Telecommunications and Signal Processing (TSP), JUL 07-09, 2020, ELECTR NETWORK, ISBN: 978-1-7281-6376-5, Published: 2020;
14. Belc, A.L., Marc, P., Belc, F., Stirb, A. The Impact of Sample Compaction Temperatures on the Characteristics of Bituminous Concrete, 5TH WORLD MULTIDISCIPLINARY CIVIL ENGINEERING-ARCHITECTURE-URBAN PLANNING SYMPOSIUM (WMCAUS), Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 960, Article Number: 032047, 5th World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), JUN 15-19, 2020, Prague, CZECH REPUBLIC, ISSN: 1757-8981, Published: 2020;
15. Belega, D., Gasparesc, G. Accurate Measurement of the rms of a Sine-wave by Means of Low-Cost rms-to-dc Converters, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 147-150, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
16. Benea, M.L., Benea, L.P. The improvement of steel properties using Al<sub>2</sub>O<sub>3</sub> coatings deposited by plasma spraying, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012010, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
17. Benea, M.L., Benea, L.P. Influence of the thickness of the Tungsten Carbide (WC) coating deposited on martensitic stainless steel on corrosion resistance, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012009, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
18. Bercean, B., Iarca, S., Tenescu, A., Avramescu, C., Fuicu, S. Assisting Radiologists Through Automatic Cardiothoracic Ratio Calculation, 2020 IEEE 14TH INTERNATIONAL SYMPOSIUM ON APPLIED COMPUTATIONAL INTELLIGENCE AND INFORMATICS (SACI 2020), Pages: 173-177, IEEE 14th International Symposium on Applied Computational Intelligence and Informatics (SACI), MAY 21-23, 2020, Timisoara, ROMANIA, ISBN: 978-1-7281-7376-4, Published: 2020;
19. Berdie, A.D., Jitian, S. Ellipsometric determination of the thickness and the refractive index of superficial films deposited on metal mirrors, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012027, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
20. Bistran, D.A., Dimitriu, G., Navon, I.M. Modeling Dynamic Patterns from COVID-19 Data Using Randomized Dynamic Mode Decomposition in Predictive Mode and ARIMA, APPLICATION OF MATHEMATICS IN TECHNICAL AND NATURAL SCIENCES (AMITANS 2020), Book Series: AIP Conference Proceedings, Volume: 2302, Article Number: 080002, 12th International On-Line Conference for Promoting the Application of Mathematics in Technical and Natural Sciences (AMiTaNS), JUN 24-29, 2020, ELECTR NETWORK, ISSN: 0094-243X, ISBN: 978-0-7354-4036-4, Published: 2020;
21. Bobaru, A., Budura, G., Balint, C. Single Tier Heterogeneous Traffic Generator based on Traffic Statistics, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 405-408, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
22. Boldea, I., Tutelea, L.N., Torac, I. 10MW, 10rpm, 15Hz directly-driven reluctance synchronous generator system: preliminary design with key FEM validations, 2020 INTERNATIONAL CONFERENCE ON ELECTRICAL MACHINES (ICEM), VOL 1, Pages: 1835-1840, International Conference on Electrical Machines (ICEM), AUG 23-26, 2020, ELECTR NETWORK, ISBN: 978-1-7281-9945-0, Published: 2020;

23. Boncalo, O., Amaricai, A. Layered LDPC decoder in-order message access scheduling: a case study, 2020 IEEE 14TH INTERNATIONAL SYMPOSIUM ON APPLIED COMPUTATIONAL INTELLIGENCE AND INFORMATICS (SACI 2020), Pages: 193-198, IEEE 14th International Symposium on Applied Computational Intelligence and Informatics (SACI), MAY 21-23, 2020, Timisoara, ROMANIA, ISBN: 978-1-7281-7376-4, Published: 2020;
24. Bonciog, D.D., Lascu, M.R., Matiu-Iovan, L., Ionel, R., Burian, C.A., Ordodi, V.L. Modified Langendorff experimental device for rat heart decellularization with a vibrating fluid column, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 127-130, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
25. Borlea, A.B., Precup, R.E., Borlea, I.D., Dragus, A.N. Frequency Domain Design of Controllers for Lighting Process, 2020 IEEE 14TH INTERNATIONAL SYMPOSIUM ON APPLIED COMPUTATIONAL INTELLIGENCE AND INFORMATICS (SACI 2020), Pages: 53-58, IEEE 14th International Symposium on Applied Computational Intelligence and Informatics (SACI), MAY 21-23, 2020, Timisoara, ROMANIA, ISBN: 978-1-7281-7376-4, Published: 2020;
26. Borlea, I.D., Precup, R.E., Borlea, A.B., Iercan, D. Extending BigTim Distributed Clustering Platform to Support Mobile Devices, 2020 IEEE 14TH INTERNATIONAL SYMPOSIUM ON APPLIED COMPUTATIONAL INTELLIGENCE AND INFORMATICS (SACI 2020), Pages: 17-22, IEEE 14th International Symposium on Applied Computational Intelligence and Informatics (SACI), MAY 21-23, 2020, Timisoara, ROMANIA, ISBN: 978-1-7281-7376-4, Published: 2020;
27. Botila, D.A., Lascu, D. A Novel Single Switch Step-Up Converter with High Conversion Ratio, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 207-210, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
28. Bran, M., Frigura-fliasa, M., Filipescu, H.E., Dolga, L., Vatau, V., Iorga, M. Case Study about Smart Integrated Utilities for Smart Cities, 2020 IEEE 18TH WORLD SYMPOSIUM ON APPLIED MACHINE INTELLIGENCE AND INFORMATICS (SAMI 2020), Pages: 23-26, 18th IEEE World Symposium on Applied Machine Intelligence and Informatics (SAMI), JAN 23-25, 2020, Herlany, SLOVAKIA, ISBN: 978-1-7281-3149-8, Published: 2020;
29. Broasca, L., Ancusa, V.M., Ciocarlie, H. Towards a Hybrid Layout for Complex Networks Visualization, 2020 24TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC), Book Series: International Conference on System Theory Control and Computing, Pages: 118-123, 24th International Conference on System Theory, Control and Computing (ICSTCC), OCT 08-10, 2020, ELECTR NETWORK, ISSN: 2372-1618, ISBN: 978-1-7281-9809-5, Published: 2020;
30. Broasca, L., Ancusa, V.M., Ciocarlie, H. A 3D Surface Fitting Layout for Complex Networks Visualization, IMPORTANCE OF HEALTH INFORMATICS IN PUBLIC HEALTH DURING A PANDEMIC, Book Series: Studies in Health Technology and Informatics, Volume: 272, Pages: 362-365, PubMed ID: 32604677, 18th Annual International Conference on Informatics, Management, and Technology in Healthcare (ICIMTH), JUL 03-05, 2020, ELECTR NETWORK, ISSN: 0926-9630, eISSN: 1879-8365, ISBN: 978-1-64368-093-4; 978-1-64368-092-7, Published: 2020;
31. Bublea, A., Caleanu, C.D. Deep Learning based Eye Gaze Tracking for Automotive Applications: An Auto-Keras Approach, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 48-51, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
32. Bucevschi, R., Socalici, V., Berghian, A.B., Baneasa, C.B. Analysis of the fluid dynamic behaviour through the air collector following the installation of pressure outlets, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012050, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
33. Bucos, M., Dragulescu, B. Student cluster analysis based on Moodle data and academic performance indicators, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 167-170, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;

34. Bucur, F., Socalici, A., Josan, A., Putan, V. Research regarding the hardness of cast iron, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012049, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
35. Burta, A., Szabo, R., Gontean, A. Object Recognition Development for Android. Mobile Devices with Text-to-Speech Function Created for Visually Impaired People, PROCEEDINGS OF THE 2020 FOURTH WORLD CONFERENCE ON SMART TRENDS IN SYSTEMS, SECURITY AND SUSTAINABILITY (WORLDS4 2020), Pages: 608-613, 4th World Conference on Smart Trends in Systems, Security and Sustainability (WorldS4), JUL 27-28, 2020, ELECTR NETWORK, ISBN: 978-1-7281-6823-4, Published: 2020;
36. Burta, A., Szabo, R., Gontean, A. Temperature Measurements with Thermocouples Used in a Thermo-electric Hybrid Solar System, PROCEEDINGS OF THE 2020 FOURTH WORLD CONFERENCE ON SMART TRENDS IN SYSTEMS, SECURITY AND SUSTAINABILITY (WORLDS4 2020), Pages: 614-619, 4th World Conference on Smart Trends in Systems, Security and Sustainability (WorldS4), JUL 27-28, 2020, ELECTR NETWORK, ISBN: 978-1-7281-6823-4, Published: 2020;
37. Buta, A.P., Silaghi, A.M., De Sabata, A., Matekovits, L. MULTIPLE-NOTCH FREQUENCY SELECTIVE SURFACE FOR AUTOMOTIVE APPLICATIONS, 2020 13TH INTERNATIONAL CONFERENCE ON COMMUNICATIONS (COMM), Pages: 439-442, 13th International Conference on Communications (COMM), JUN 18-20, 2020, ELECTR NETWORK, ISBN: 978-1-7281-5611-8, Published: 2020;
38. Buta, A.P., Silaghi, A.M., De Sabata, A., Matekovits, L. LTE Band Filtering Applications of a Fractal Based Frequency Selective Surface, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 99-102, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
39. Butaru, F., Carstea, C., Lascu, C., Ancuti, M.C. Optimal Operation of Microgrid Employing Predictive Control, 2020 15TH INTERNATIONAL CONFERENCE ON DEVELOPMENT AND APPLICATION SYSTEMS (DAS), Pages: 27-31, 15th International Conference on Development and Application Systems (DAS), MAY 21-23, 2020, Suceava, ROMANIA, ISBN: 978-1-7281-6870-8, Published: 2020;
40. Butean, F.M., Jucut, M.A., Lie, I. Automation of water meter testing using stepper motors, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 83-86, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
41. Buzatu, R., Muntean, D., Ciutina, A., Ungureanu, V. Thermal Performance and Energy Efficiency of Lightweight Steel Buildings: a Case-Study, 5TH WORLD MULTIDISCIPLINARY CIVIL ENGINEERING-ARCHITECTURE-URBAN PLANNING SYMPOSIUM (WMCAUS), Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 960, Article Number: 032099, 5th World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), JUN 15-19, 2020, Prague, CZECH REPUBLIC, ISSN: 1757-8981, Published: 2020;
42. Carstea, C., Butaru, F., Ancuti, M.C., Musuroi, S., Deacu, A., Babaita, M., Stanciu, A.M. Wind Power Plants Operation at Variable Wind Speeds, 2020 IEEE 14TH INTERNATIONAL SYMPOSIUM ON APPLIED COMPUTATIONAL INTELLIGENCE AND INFORMATICS (SACI 2020), Pages: 205-210, IEEE 14th International Symposium on Applied Computational Intelligence and Informatics (SACI), MAY 21-23, 2020, Timisoara, ROMANIA, ISBN: 978-1-7281-7376-4, Published: 2020;
43. Chioncel, C.P., Murarescu, C., Dudu, M., Tirian, O.G. Optimal and stable energetic operation of wind power systems at variable wind speed, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012041, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
44. Chioncel, C.P., Dordescu, M., Lazar, M.A., Tirian, O.G. Wind turbine power and optimum energy, at variable wind speeds, 2020 IEEE 24TH INTERNATIONAL CONFERENCE ON INTELLIGENT ENGINEERING SYSTEMS (INES 2020), Book Series: IEEE International Conference on Intelligent Engineering Systems, Pages: 197-202, 24th IEEE International Conference on Intelligent Engineering Systems (INES), JUL 08-10, 2020, ELECTR NETWORK, ISSN: 1562-5850, ISBN: 978-1-7281-1059-2, Published: 2020;
45. Chioncel, C.P., Tirian, O.G., Dordescu, M., Spunei, E. Optimization of wind turbine operation in variable wind speed conditions, 7TH INTERNATIONAL CONFERENCE ON ENERGY EFFICIENCY AND AGRICULTURAL ENGINEERING (EE&AE), 7th International Conference on Energy Efficiency and Agricultural Engineering (EE and AE), NOV 12-14, 2020, Ruse, BULGARIA, ISBN: 978-1-7281-0362-4, Published: 2020;

46. Chirita-Emandi, A., Andreescu, N., Zimbru, C.G., Puiu, M. Unsettling NGS findings related to 94 cancer genes in pediatric patients- is there benefit or harm in reporting?, EUROPEAN JOURNAL OF HUMAN GENETICS, Meeting Abstract: P12.036.B, Volume: 28, Issue: SUPPL 1, Pages: 499-499, Supplement: 1, ISSN: 1018-4813, eISSN: 1476-5438, Published: 2020;
47. Cioata, V.G., Kiss, I., Alexa, V., Ratiu, S.A. Study of the contact forces between workpiece and fixture using dynamic analysis, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012040, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
48. Cipleu, A., Stefanescu, W., Vandici, I., Gonczi, A.I. A New Method to Improve Computing Time for TSP Little Algorithm, 30TH SIAR INTERNATIONAL CONGRESS OF AUTOMOTIVE AND TRANSPORT ENGINEERING: SCIENCE AND MANAGEMENT OF AUTOMOTIVE AND TRANSPORTATION ENGINEERING, Pages: 400-405, 30th SIAR International Congress of Science and Management of Automotive and Transportation Engineering (SMAT), OCT 23-25, 2019, Craiova, ROMANIA, ISBN: 978-3-030-32564-0, Published: 2020;
49. Ciulica, D. Research on the transient regime of SF6 circuit breakers in MATLAB, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012054, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
50. Ciulu, M.D., Holban, S., Lungeanu, D. Hierarchical Clustering for Image Classification in Dermatology: Towards Mobile Deploying, DIGITAL PERSONALIZED HEALTH AND MEDICINE, Book Series: Studies in Health Technology and Informatics, Volume: 270, Pages: 1303-1304, PubMed ID: 32570630, 30th Medical Informatics Europe (MIE) Conference, APR, 2020, Geneva, SWITZERLAND, ISSN: 0926-9630, eISSN: 1879-8365, ISBN: 978-1-64368-083-5; 978-1-64368-082-8, Published: 2020;
51. Clementi, F., Formisano, A., Milani, G., Mosoarca, M. Seismic Analysis and Retrofitting of Civil Engineering Structures, INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS ICNAAM 2019, Book Series: AIP Conference Proceedings, Volume: 2293, Article Number: 380001, PubMed ID: 32015214, International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), SEP 23-28, 2019, Rhodes, GREECE, ISSN: 0094-243X, ISBN: 978-0-7354-4025-8, Published: 2020;
52. Coiceci, S., Filip, I. Self-driving vehicles: current status of development and technical challenges to overcome, 2020 IEEE 14TH INTERNATIONAL SYMPOSIUM ON APPLIED COMPUTATIONAL INTELLIGENCE AND INFORMATICS (SACI 2020), Pages: 255-259, IEEE 14th International Symposium on Applied Computational Intelligence and Informatics (SACI), MAY 21-23, 2020, Timisoara, ROMANIA, ISBN: 978-1-7281-7376-4, Published: 2020;
53. Cojocaru, A., Mares, O., Tatomiurescu, D., Popescu, A. The influence of Marangoni convection and of the external temperature gradient on the temperature fluctuations in a Czochralski solar silicon process, TIM 19 PHYSICS CONFERENCE, Book Series: AIP Conference Proceedings, Volume: 2218, Article Number: 040006, 18th Physics Conference (TIM) of the West-University-of-Timisoara, MAY 29-31, 2019, Timisoara, ROMANIA, ISSN: 0094-243X, ISBN: 978-0-7354-1974-2, Published: 2020;
54. Costea, F.M., Chirila, C.B., Cretu, V.I. Auto-Generative Learning Objects for Learning Linked Lists Concepts, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 151-154, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
55. Covaci, C., Gontean, A. Two-Stage Converter for Piezoelectric Energy Harvesting using Buck Configuration, 2020 IEEE 26TH INTERNATIONAL SYMPOSIUM FOR DESIGN AND TECHNOLOGY IN ELECTRONIC PACKAGING (SIITME 2020), Book Series: International Symposium for Design and Technology in Electronic Packaging, Pages: 408-411, IEEE 26th International Symposium for Design and Technology in Electronic Packaging (SIITME), OCT 21-24, 2020, Pitesti, ROMANIA, ISSN: 2641-287X, ISBN: 978-1-7281-7506-5, Published: 2020;
56. Cretan, I.A. Potential impact on the environment and reduction measures in the case of the temporary perimeters for mineral aggregates exploitation. Case study "Temporary perimeter operating in Ribului Valley", Socol Locality, Caras-Severin County, Romania, 5TH WORLD MULTIDISCIPLINARY CIVIL ENGINEERING-ARCHITECTURE-URBAN PLANNING SYMPOSIUM (WMCAUS), Book Series: IOP Conference Series- Materials Science and Engineering, Volume: 960, Article Number: 022093, 5th World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), JUN 15-19, 2020, CZECH REPUBLIC, ISSN: 1757-8981, Published: 2020;

57. David, I; Stefanescu, C. Gravity Compressed –Air- Hydraulic- Power-Tower Energy Storage Plants, 5TH WORLD MULTIDISCIPLINARY CIVIL ENGINEERING-ARCHITECTURE-URBAN PLANNING SYMPOSIUM (WMCAUS), Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 960, Article Number: 022077, 5th World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), JUN 15-19, 2020, Prague, CZECH REPUBLIC, ISSN: 1757-8981, Published: 2020;
58. David, R.C., Precup, R.E., Preitl, S., Szedlak-Stinean, A.I., Roman, R.C., Petriu, E.M. Fuzzy Control Systems with Reduced Parametric Sensitivity Design Based on Hybrid Grey Wolf Optimizer-Particle Swarm Optimization, 2020 24TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC), Book Series: International Conference on System Theory Control and Computing, Pages: 66-71, 24th International Conference on System Theory, Control and Computing (ICSTCC), OCT 08-10, 2020, ELECTR NETWORK, ISSN: 2372-1618, ISBN: 978-1-7281-9809-5, Published: 2020;
59. David, R.C., Precup, R.E., Preitl, S., Petriu, E.M., Szedlak-Stinean, A.I., Roman, R.C. Whale Optimization Algorithm-Based Tuning of Low-Cost Fuzzy Controllers with Reduced Parametric Sensitivity, 2020 28TH MEDITERRANEAN CONFERENCE ON CONTROL AND AUTOMATION (MED), Book Series: Mediterranean Conference on Control and Automation, Pages: 440-445, 28th Mediterranean Conference on Control and Automation (MED), SEP 15-18, 2020, ELECTR NETWORK, ISSN: 2325-369X, ISBN: 978-1-7281-5742-9, Published: 2020;
60. David, R.C., Precup, R.E., Preitl, S., Szedlak-Stinean, A.I., Roman, R.C., Petriu, E.M. Design of Low-Cost Fuzzy Controllers with Reduced Parametric Sensitivity Based on Whale Optimization Algorithm, 2020 IEEE INTERNATIONAL CONFERENCE ON FUZZY SYSTEMS (FUZZ-IEEE), Book Series: IEEE International Conference on Fuzzy Systems, Article Number: 22183, IEEE International Conference on Fuzzy Systems (FUZZ-IEEE), JUL 19-24, 2020, ELECTR NETWORK, ISSN: 1098-7584, ISBN: 978-1-7281-6932-3, Published: 2020;
61. Dinulica, I.S., Cosma, D. Monitoring computer systems for crypto mining threat detection, 2020 24TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC), Book Series: International Conference on System Theory Control and Computing, Pages: 553-558, 24th International Conference on System Theory, Control and Computing (ICSTCC), OCT 08-10, 2020, ELECTR NETWORK, ISSN: 2372-1618, ISBN: 978-1-7281-9809-5, Published: 2020;
62. Dobrin, E., Ancuti, M.C., Musuroi, S., Sorandaru, C., Ancuti, R., Lazar, M.A. Dynamics of the Wind Power Plants at Small Wind Speeds, 2020 IEEE 14TH INTERNATIONAL SYMPOSIUM ON APPLIED COMPUTATIONAL INTELLIGENCE AND INFORMATICS (SACI 2020), Pages: 187-192, IEEE 14th International Symposium on Applied Computational Intelligence and Informatics (SACI), MAY 21-23, 2020, Timisoara, ROMANIA, ISBN: 978-1-7281-7376-4, Published: 2020;
63. Dragan, C.M. Car Environment Conditions vs. Thermal Chamber Conditions, PROCEEDINGS OF THE NINETEENTH INTERSOCIETY CONFERENCE ON THERMAL AND THERMOMECHANICAL PHENOMENA IN ELECTRONIC SYSTEMS (ITHERM 2020), Book Series: InterSociety Conference on Thermal and Thermomechanical Phenomena in Electronic Systems, Pages: 568-574, 19th IEEE Intersociety Conference on Thermal and Thermomechanical Phenomena in Electronic Systems (ITherm), JUL 21-23, 2020, ELECTR NETWORK, ISSN: 1936-3958, ISBN: 978-1-7281-9764-7, Published: 2020;
64. Draghici, A., Ivascu, L., Mircea, G. Development of E-learning Platform for Education on Sustainable Development, DIVAI 2020: 13TH INTERNATIONAL SCIENTIFIC CONFERENCE ON DISTANCE LEARNING IN APPLIED INFORMATICS, Book Series: DIVAI, Pages: 81-89, 13th International Scientific Conference on Distance Learning in Applied Informatics (DIVAI), SEP 21-23, 2020, Sturovo, SLOVAKIA, ISSN: 2464-7470, eISSN: 2464-7489, ISBN: 978-80-7598-841-6, Published: 2020;
65. Draghici, A., Ivascu, L., Fato, D. The Sense of E-learning Community, DIVAI 2020: 13TH INTERNATIONAL SCIENTIFIC CONFERENCE ON DISTANCE LEARNING IN APPLIED INFORMATICS, Book Series: DIVAI, Pages: 285-294, 13th International Scientific Conference on Distance Learning in Applied Informatics (DIVAI), SEP 21-23, 2020, Sturovo, SLOVAKIA, ISSN: 2464-7470, eISSN: 2464-7489, ISBN: 978-80-7598-841-6, Published: 2020;
66. Dragomir, A., Simion, G., Ermalai, I. Smart Mirror for Skin Type Identification, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 52-55, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;

67. Dudu, M., Chilibaru-Opritescu, C. An Analytical Investigation on the Effect of Variable Wind Speed in Wind Energy Conversion Systems, INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS ICNAAM 2019, Book Series: AIP Conference Proceedings, Volume: 2293, Article Number: 270006, International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), SEP 23-28, 2019, Rhodes, GREECE, ISSN: 0094-243X, ISBN: 978-0-7354-4025-8, Published: 2020;
68. Dumitru, P.P., Florescu, C., Gîrbaciu, A., Vaju, D. The Technologies Optimization for the Treatment of Underground Water with Iron and Arsenic Content - A Case Study, 5TH WORLD MULTIDISCIPLINARY CIVIL ENGINEERING-ARCHITECTURE-URBAN PLANNING SYMPOSIUM (WMCAUS), Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 960, Article Number: 022060, 5th World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), JUN 15-19, 2020, Prague, CZECH REPUBLIC, ISSN: 1757-8981, Published: 2020;
69. Ene, R.D., Petrisor, C. Some Mathematical Approaches on the Viscous flow Problem on a Continuous Stretching Surface: Nonlinear Stability and Dual Approximate Analytic Solutions, INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS ICNAAM 2019, Book Series: AIP Conference Proceedings, Volume: 2293, Article Number: 350004, International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), SEP 23-28, 2019, Rhodes, GREECE, ISSN: 0094-243X, ISBN: 978-0-7354-4025-8, Published: 2020;
70. Erdelyi, R.A., Duma, V.F., Dobre, G., Bradu, A., Podoleanu, A.G. A combination of imaging techniques for dental medicine: from X-rays radiography and 3D CBCT to OCT, BIOMEDICAL SPECTROSCOPY, MICROSCOPY, AND IMAGING, Book Series: Proceedings of SPIE, Volume: 11359, Article Number: 113591E, Conference on Biomedical Spectroscopy, Microscopy, and Imaging / SPIE Photonics Europe Conference, APR 06-10, 2020, ELECTR NETWORK, ISSN: 0277-786X, eISSN: 1996-756X, ISBN: 978-1-5106-3490-9; 978-1-5106-3491-6, Published: 2020;
71. Filip, B., Filipescu, H., Iftime, S., Frigura-Iliasa, F.M., Frigura-Iliasa, M., Simo, A. SCIENTIFIC AND ACADEMIC RESEARCH ETHICS LEGISLATION ISSUES IN ROMANIA, 14TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE (INTED2020), Book Series: INTED Proceedings, Pages: 8089-8094, 14th International Technology, Education and Development Conference (INTED), MAR 02-04, 2020, Valencia, SPAIN, ISSN: 2340-1079, ISBN: 978-84-09-17939-8, Published: 2020;
72. Filip, B., Simo, A., Vatau, D., Frigura-Iliasa, F.M., Musuroi, S., Andea, P. LoRaWAN Based Real-Time Air Quality Monitoring System, 2020 IEEE 18TH WORLD SYMPOSIUM ON APPLIED MACHINE INTELLIGENCE AND INFORMATICS (SAMI 2020), Pages: 69-72, 18th IEEE World Symposium on Applied Machine Intelligence and Informatics (SAMI), JAN 23-25, 2020, Herlany, SLOVAKIA, ISBN: 978-1-7281-3149-8, Published: 2020;
73. Filip, I., Szeidert, I., Prosteian, O., Vasar, C. Consideration about the stability and performance of a minimum variance control system, 2020 IEEE 14TH INTERNATIONAL SYMPOSIUM ON APPLIED COMPUTATIONAL INTELLIGENCE AND INFORMATICS (SACI 2020), Pages: 83-87, IEEE 14th International Symposium on Applied Computational Intelligence and Informatics (SACI), MAY 21-23, 2020, Timisoara, ROMANIA, ISBN: 978-1-7281-7376-4, Published: 2020;
74. Florescu, E.R., Bica, S.M. EARTH AS AN ALTERNATIVE INDICATOR REGARDING THE ECOLOGICAL CHARACTER OF BUILDING MATERIALS, 7TH INTERNATIONAL CONFERENCE ON EDUCATION AND SOCIAL SCIENCES (INTCESS 2020), Pages: 205-212, 7th International Conference on Education and Social Sciences (INTCESS), JAN 20-22, 2020, Dubai, U ARAB EMIRATES, ISBN: 978-605-82433-8-5, Published: 2020;
75. Flori, M., Milostean, D. Influence of heating and moisture content on sludge drying process, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012056, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
76. Flori, M., Vilceanu, L. Analysis of wastewater sludge drying process in vacuum filters, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012055, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
77. Formisano, A., Chieffo, N., Mosoarca, M. Probabilistic Earthquake Scenarios of a Historical Area in the Town of Amatrice, INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS ICNAAM 2019, Book Series: AIP Conference Proceedings, Volume: 2293, Article Number: 240006, International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), SEP 23-28, 2019, Rhodes, GREECE, ISSN: 0094-243X, ISBN: 978-0-7354-4025-8, Published: 2020;
78. Foti, P., Razavi, S.M.J., Marsavina, L., Berto, F. Volume free strain energy density method for applications to blunt V-notches, 1ST VIRTUAL EUROPEAN CONFERENCE ON FRACTURE - VECF1, Book Series: Procedia Structural Integrity, Volume: 28, Pages: 734-742, 1st European-Structural-Integrity-Society (ESIS) Virtual European Conference on Fracture (ECF), JUN 29-JUL 01, 2020, ELECTR NETWORK, ISSN: 2452-3216, Published: 2020;

79. Galatanu, S.V., Scano, M., Pietras, D., Pirvulescu, L.D., Porcu, M.C., Marsavina, L., Sadowski, T. Bending behavior of AM50 Magnesium alloy under static and dynamic loading, 1ST MEDITERRANEAN CONFERENCE ON FRACTURE AND STRUCTURAL INTEGRITY (MEDFRACT1), Book Series: Procedia Structural Integrity, Volume: 26, Pages: 269-276, 1st Mediterranean Conference on Fracture and Structural Integrity (MedFract), FEB, 2020, ELECTR NETWORK, ISSN: 2452-3216, Published: 2020;
80. Girbaciuc, A., Girbaciuc, C., Dumitru, P.P., Lucut, M. Study Regarding the Possibility of Use the Alternative High Efficiency Systems for Increasing Energy Performance in Suburban Areas, 5TH WORLD MULTIDISCIPLINARY CIVIL ENGINEERING-ARCHITECTURE-URBAN PLANNING SYMPOSIUM (WMCAUS), Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 960, Article Number: 022061, 5th World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), JUN 15-19, 2020, Prague, CZECH REPUBLIC, ISSN: 1757-8981, Published: 2020;
81. Gonczi, A.I., Cipleu, A. Cross-Validation of Two Collision Modeling Software Based on the Reconstruction of a Real Collision - A Possible New Approach to Collision Reconstruction, 30TH SIAR INTERNATIONAL CONGRESS OF AUTOMOTIVE AND TRANSPORT ENGINEERING: SCIENCE AND MANAGEMENT OF AUTOMOTIVE AND TRANSPORTATION ENGINEERING, Pages: 366-374, 30th SIAR International Congress of Science and Management of Automotive and Transportation Engineering (SMAT), OCT 23-25, 2019, Craiova, ROMANIA, ISBN: 978-3-030-32564-0, Published: 2020;
82. Grozav, A., Rogobete, G. Reflections on Decanted Waste Water Application in the Timis County (Romania), 5TH WORLD MULTIDISCIPLINARY CIVIL ENGINEERING-ARCHITECTURE-URBAN PLANNING SYMPOSIUM (WMCAUS), Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 960, Article Number: 022070, 5th World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), JUN 15-19, 2020, Prague, CZECH REPUBLIC, ISSN: 1757-8981, Published: 2020;
83. Gruicin, I., Ionascu, M.E., Popa, M. Evaluation of air quality variability in Timisoara, Romania, 2020 IEEE 14TH INTERNATIONAL SYMPOSIUM ON APPLIED COMPUTATIONAL INTELLIGENCE AND INFORMATICS (SACI 2020), Pages: 179-182, IEEE 14th International Symposium on Applied Computational Intelligence and Informatics (SACI), MAY 21-23, 2020, Timisoara, ROMANIA, ISBN: 978-1-7281-7376-4, Published: 2020;
84. Gugea, O., Cosma, D. Identifying software problems in Java applications using ViMC, 2020 24TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC), Book Series: International Conference on System Theory Control and Computing, Pages: 112-117, 24th International Conference on System Theory, Control and Computing (ICSTCC), OCT 08-10, 2020, ELECTR NETWORK, ISSN: 2372-1618, ISBN: 978-1-7281-9809-5, Published: 2020;
85. Haiducu, C.G., Lica, S., Lie, I. About the possibility to use the model based testing for system test automation, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 91-94, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
86. Hapenciu, A.D., Anghel, A.A., Mohora, I. The Poetics of Access Apparatuses in Contemporary Lyric Exhibition Spaces, 5TH WORLD MULTIDISCIPLINARY CIVIL ENGINEERING-ARCHITECTURE-URBAN PLANNING SYMPOSIUM (WMCAUS), Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 960, Article Number: 042010, 5th World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), JUN 15-19, 2020, Prague, CZECH REPUBLIC, ISSN: 1757-8981, Published: 2020;
87. Hausler-Cozma, D.P., Beilicci, E., Beilicci, R. Modelling of Privalul Tinoasa channel, in irrigation system Borcea 2-Danube Romania, 5TH WORLD MULTIDISCIPLINARY CIVIL ENGINEERING-ARCHITECTURE-URBAN PLANNING SYMPOSIUM (WMCAUS), Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 960, Article Number: 022023, 5th World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), JUN 15-19, 2020, Prague, CZECH REPUBLIC, ISSN: 1757-8981, Published: 2020;
88. Herisanu, N. Optimal Homotopy Asymptotic Approaches to Nonlinear Dynamical Systems in Engineering-4, INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS ICNAAM 2019, Book Series: AIP Conference Proceedings, Volume: 2293, Article Number: 270001, International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), SEP 23-28, 2019, Rhodes, GREECE, ISSN: 0094-243X, ISBN: 978-0-7354-4025-8, Published: 2020;
89. Herisanu, N., Marinca, V. Analytic Approximate Solutions to Electrically Actuated MEMS, INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS ICNAAM 2019, Book Series: AIP Conference Proceedings, Volume: 2293, Article Number: 270002, International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), SEP 23-28, 2019, Rhodes, GREECE, ISSN: 0094-243X, ISBN: 978-0-7354-4025-8, Published: 2020;



90. Hulea, D., Gireada, M., Vitan, D., Cornea, O., Muntean, N. An Improved Bidirectional Hybrid Switched Inductor Converter, 2020 22ND EUROPEAN CONFERENCE ON POWER ELECTRONICS AND APPLICATIONS (EPE'20 ECCE EUROPE), Book Series: European Conference on Power Electronics and Applications, 22nd European Conference on Power Electronics and Applications (EPE ECCE Europe), SEP 07-11, 2020, ELECTR NETWORK, ISSN: 2325-0313, ISBN: 978-9-0758-1536-8, Published: 2020;
91. Iacob, F., Pop, N., Mezei, J.Z., Niyonzima, S., Laporta, V., Chakrabarti, K., Schneider, I.F. Reactive collisions between electrons and BeT+, TIM 19 PHYSICS CONFERENCE, Book Series: AIP Conference Proceedings, Volume: 2218, Article Number: 050010, 18th Physics Conference (TIM) of the West-University-of-Timisoara, MAY 29-31, 2019, Timisoara, ROMANIA, ISSN: 0094-243X, ISBN: 978-0-7354-1974-2, Published: 2020;
92. Iacobici, N.L., Frigura-Iliasa, M., Filipescu, H.E., Nen, M., Frigura-Iliasa, F.M., Iorga, M. Digital Imaging Processing and Reconstruction for General Applications, 2020 IEEE 18TH WORLD SYMPOSIUM ON APPLIED MACHINE INTELLIGENCE AND INFORMATICS (SAMI 2020), Pages: 231-234, 18th IEEE World Symposium on Applied Machine Intelligence and Informatics (SAMI), JAN 23-25, 2020, Herlany, SLOVAKIA, ISBN: 978-1-7281-3149-8, Published: 2020;
93. Ilie, M., Stoica, V., Cicala, E., Kneip, J.C. Experimental design investigation of through-transmission laser welding of dissimilar polymers, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012045, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
94. Ionić, C. A New Step-Up Watkins-Johnson Type Converter, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 211-214, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
95. Iovanovici, A., Avramoni, D., Moscovici, A.M., Prodan, L. Traffic micro-simulation as a validation tool for developing genetic algorithms for green wave optimization, 2020 IEEE 14TH INTERNATIONAL SYMPOSIUM ON APPLIED COMPUTATIONAL INTELLIGENCE AND INFORMATICS (SACI 2020), Pages: 147-151, IEEE 14th International Symposium on Applied Computational Intelligence and Informatics (SACI), MAY 21-23, 2020, Timisoara, ROMANIA, ISBN: 978-1-7281-7376-4, Published: 2020;
96. Isar, A., Nafornta, C., Macaveiu, A., Magu, G. Wavelet Based Adaptive Detection of Automotive Radar Single Target with Low SNR, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 259-264, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
97. Iuoras, A.M., Szekely, N.C., Vitan, L.D., Bojan, M., Teodosescu, P.D. AC home appliances retrofitting for DC microgrids, PROCEEDINGS OF THE 2020 12TH INTERNATIONAL CONFERENCE ON ELECTRONICS, COMPUTERS AND ARTIFICIAL INTELLIGENCE (ECAI-2020), Book Series: International Conference on Electronics Computers and Artificial Intelligence, 12th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), JUN 25-27, 2020, Bucharest, ROMANIA, ISSN: 2378-7147, ISBN: 978-1-7281-6843-2, Published: 2020;
98. Ivanovici, M., Vlazan, P., Novaconi, S.D., Rus, F.S. Degradation of Rhodamine B by glass foam coated with WO<sub>3</sub> and TiO<sub>2</sub> under simulated solar radiation, TIM 19 PHYSICS CONFERENCE, Book Series: AIP Conference Proceedings, Volume: 2218, Article Number: 030013, 18th Physics Conference (TIM) of the West-University-of-Timisoara, MAY 29-31, 2019, Timisoara, ROMANIA, ISSN: 0094-243X, ISBN: 978-0-7354-1974-2, Published: 2020;
99. Ivascu, L., Trocan, C., Mocan, M., Ardelean, B.O. Assessment of Student's Perception on the Teaching Process, DIVAI 2020: 13TH INTERNATIONAL SCIENTIFIC CONFERENCE ON DISTANCE LEARNING IN APPLIED INFORMATICS, Book Series: DIVAI, Pages: 339-349, 13th International Scientific Conference on Distance Learning in Applied Informatics (DIVAI), SEP 21-23, 2020, Sturovo, SLOVAKIA, ISSN: 2464-7470, eISSN: 2464-7489, ISBN: 978-80-7598-841-6, Published: 2020;
100. Jianu, M.R., Grecea, C. STUDENT SUPPORT IN THE TRANSITION FROM HIGHER EDUCATION TO LABOR MARKET, 14TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE (INTED2020), Book Series: INTED Proceedings, Pages: 7912-7916, 14th International Technology, Education and Development Conference (INTED), MAR 02-04, 2020, Valencia, SPAIN, ISSN: 2340-1079, ISBN: 978-84-09-17939-8, Published: 2020;

101. Jude, G.M., Pop-Calimanu, I.M., Renken, F. A New Step-Up Converter With Coupled Inductor, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 219-222, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
102. Jurj, S.L., Farcas, A.J., Opritoiu, F., Vladutiu, M. Mobile Application for Receipt Fraud Detection Based on Optical Character Recognition, TWELFTH INTERNATIONAL CONFERENCE ON MACHINE VISION (ICMV 2019), Book Series: Proceedings of SPIE, Volume: 11433, Article Number: UNSP 114330A, 12th International Conference on Machine Vision (ICMV), NOV 16-18, 2019, Amsterdam, NETHERLANDS, ISSN: 0277-786X, eISSN: 1996-756X, ISBN: 978-1-5106-3644-6, Published: 2020;
103. Jurj, S.L., Opritoiu, F., Vladutiu, M. Real-Time Identification of Animals found in Domestic Areas of Europe, TWELFTH INTERNATIONAL CONFERENCE ON MACHINE VISION (ICMV 2019), Book Series: Proceedings of SPIE, Volume: 11433, Article Number: UNSP 1143313, 12th International Conference on Machine Vision (ICMV), NOV 16-18, 2019, Amsterdam, NETHERLANDS, ISSN: 0277-786X, eISSN: 1996-756X, ISBN: 978-1-5106-3644-6, Published: 2020;
104. Komor, D., Roman, R.C., Precup, R.E., David, R.C., Pamfilii, I. Models of Two-Wheeled Mobile Robots with Experimental Validation, 2020 IEEE 14TH INTERNATIONAL SYMPOSIUM ON APPLIED COMPUTATIONAL INTELLIGENCE AND INFORMATICS (SACI 2020), Pages: 211-216, IEEE 14th International Symposium on Applied Computational Intelligence and Informatics (SACI), MAY 21-23, 2020, Timisoara, ROMANIA, ISBN: 978-1-7281-7376-4, Published: 2020;
105. Lapadat, M., Pasca, M.S. Polynomial Least Squares Method for Approx Solutions of Fractional Boundary Value Prob, INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS ICNAAM 2019, Book Series: AIP Conference Proceedings, Volume: 2293, Article Number: 350005, International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), SEP 23-28, 2019, Rhodes, GREECE, ISSN: 0094-243X, ISBN: 978-0-7354-4025-8, Published: 2020;
106. Lazar, B., Lascu, D. Fourth-Order Buck-Boost Converters Exhibiting Minimum Phase by Reverse Inductor Coupling, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 223-226, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
107. Lazar, I., Salcianu, C.L., Bordeasu, I., Popoviciu, M.O., Hluscu, M., Pirvulescu, L.D., Malaimare, G., Badarau, R. Contributions for increasing the CuZnPb brass durability to cavitation erosion, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012015, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
108. Lazar, I., Bordeasu, I., Popoviciu, M.O., Hluscu, M., Podoleanu, C.E., Duma, S.T., Pirvulescu, L.D., Sava, M. Modification of the average durability for CuSn12 bronze at cavitation erosion using volumetric treatments, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012014, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
109. Lazarescu, E., Iftime, S., Filipescu, H., Frigura-Iliasa, F.M., Iorga, M., Petrenci, R. THE MISSION OF UNIVERSITIES IN THE DEVELOPMENT OF INTELLECTUAL CAPITAL AND "SMART" ECONOMY IN ROMANIA, 14TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE (INTED2020), Book Series: INTED Proceedings, Pages: 8080-8088, 14th International Technology, Education and Development Conference (INTED), MAR 02-04, 2020, Valencia, SPAIN, ISSN: 2340-1079, ISBN: 978-84-09-17939-8, Published: 2020;
110. Lazarescu, E., Simo, A., Alexa, F., Frigura-Iliasa, F.M., Musuroi, S., Andea, P. RDS Coder Emulator Applied for Didactic Purposes, 2020 IEEE 18TH WORLD SYMPOSIUM ON APPLIED MACHINE INTELLIGENCE AND INFORMATICS (SAMI 2020), Pages: 241-244, 18th IEEE World Symposium on Applied Machine Intelligence and Informatics (SAMI), JAN 23-25, 2020, Herlany, SLOVAKIA, ISBN: 978-1-7281-3149-8, Published: 2020;
111. Lemle, D.L., Pater, F. On Some Representation Theorems for the Yosida Approximation in Locally Convex Spaces, INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS ICNAAM 2019, Book Series: AIP Conference Proceedings, Volume: 2293, Article Number: 350010, International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), SEP 23-28, 2019, Rhodes, GREECE, ISSN: 0094-243X, ISBN: 978-0-7354-4025-8, Published: 2020;

112. Lica, S., Lie, I., Wegner, A.N., Pop-Calimanu, I.M. A Generalized Model for Single-Switch Stacked Step-Down Converters, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 227-230, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
113. Lica, S., Molcut, A., Lie, I., Lascu, D. Small-Signal Modelling of the Three Switch 1L2C Boost Converter, 2020 IEEE 26TH INTERNATIONAL SYMPOSIUM FOR DESIGN AND TECHNOLOGY IN ELECTRONIC PACKAGING (SIITME 2020), Book Series: International Symposium for Design and Technology in Electronic Packaging, Pages: 37-42, IEEE 26th International Symposium for Design and Technology in Electronic Packaging (SIITME), OCT 21-24, 2020, Pitesti, ROMANIA, ISSN: 2641-287X, ISBN: 978-1-7281-7506-5, Published: 2020;
114. Lica, S., Vatau, V., Lascu, D., Tomoroga, M. A Generalized Model for Stacked Boost Single-Switch Converters, 2020 IEEE 26TH INTERNATIONAL SYMPOSIUM FOR DESIGN AND TECHNOLOGY IN ELECTRONIC PACKAGING (SIITME 2020), Book Series: International Symposium for Design and Technology in Electronic Packaging, Pages: 386-389, IEEE 26th International Symposium for Design and Technology in Electronic Packaging (SIITME), OCT 21-24, 2020, Pitesti, ROMANIA, ISSN: 2641-287X, ISBN: 978-1-7281-7506-5, Published: 2020;
115. Lovasz, E.A., Lascu, D. A New Buck Converter with Hybrid Switching, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 203-206, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
116. Lucut, M., Girbaci, A., Stefanescu, C., Girbaci, C. The Future for Conventional Resources of Romania Used in Energy Production, 5TH WORLD MULTIDISCIPLINARY CIVIL ENGINEERING-ARCHITECTURE-URBAN PLANNING SYMPOSIUM (WMCAUS), Book Series: IOP Conference Series- Materials Science and Engineering, Volume: 960, Article Number: 032012, 5th World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), JUN 15-19, 2020, CZECH REPUBLIC, ISSN: 1757-8981, Published: 2020;
117. Lupu, O., Socalici, A., Bucur, F., Ardelean, E. Capitalization possibilities of small ferrous and pulverous waste in the iron production industry, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012051, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
118. Madescu, G., Birescu, M., Mot, M., Tutelea, L.N. Investigation of Rotor Current Spectrum Signature in the Healthy and Faulty Cage of a Dedicated Induction Motor in Load Conditions, 2020 INTERNATIONAL CONFERENCE ON ELECTRICAL MACHINES (ICEM), VOL 1, Pages: 1370-1376, International Conference on Electrical Machines (ICEM), AUG 23-26, 2020, ELECTR NETWORK, ISBN: 978-1-7281-9945-0, Published: 2020;
119. Magu, G., Lucaci, R. Multiple Radar Targets Tracking and Trajectories Fitting, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 321-324, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
120. Magu, G., Lucaci, R., Isar, A. Polynomial Based Kalman Filter Result Fitting to Data, 2020 43RD INTERNATIONAL CONFERENCE ON TELECOMMUNICATIONS AND SIGNAL PROCESSING (TSP), Pages: 65-68, 43rd International Conference on Telecommunications and Signal Processing (TSP), JUL 07-09, 2020, ELECTR NETWORK, ISBN: 978-1-7281-6376-5, Published: 2020;
121. Mahmut, E.E., Berian, D., Della Ventura, M., Stoicu Tivadar, V. Optimization of Entropy-Based Automated Dyslalia Screening Algorithm, DIGITAL PERSONALIZED HEALTH AND MEDICINE, Book Series: Studies in Health Technology and Informatics, Volume: 270, Pages: 357-361, PubMed ID: 32570406, 30th Medical Informatics Europe (MIE) Conference, APR, 2020, Geneva, SWITZERLAND, ISSN: 0926-9630, eISSN: 1879-8365, ISBN: 978-1-64368-083-5; 978-1-64368-082-8, Published: 2020;
122. Mahmut, E.E., Nicola, S., Stoicu-Tivadar, V. CROSS-CORRELATION BASED AUTOMATIC SEGMENTATION OF MEDIAL PHONEMES, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 293-296, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;

123. Mahmut, E.E., Nicola, S., Stoicu-Tivadar, V. Cross-Correlation Based Automated Segmentation of Audio Samples, IMPORTANCE OF HEALTH INFORMATICS IN PUBLIC HEALTH DURING A PANDEMIC, Book Series: Studies in Health Technology and Informatics, Volume: 272, Pages: 241-244, PubMed ID: 32604646, 18th Annual International Conference on Informatics, Management, and Technology in Healthcare (ICIMTH), JUL 03-05, 2020, ELECTR NETWORK, ISSN: 0926-9630, eISSN: 1879-8365, ISBN: 978-1-64368-093-4; 978-1-64368-092-7, Published: 2020;
124. Manea, R.M., Calin, M.C., Salagean, T., Moscovici, A.M. GEODESIC EDUCATION IN ROMANIA BETWEEN PAST AND FUTURE, 14TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE (INTED2020), Book Series: INTED Proceedings, Pages: 8520-8526, 14th International Technology, Education and Development Conference (INTED), MAR 02-04, 2020, Valencia, SPAIN, ISSN: 2340-1079, ISBN: 978-84-09-17939-8, Published: 2020;
125. Marinca, V., Herisanu, N. Incompressible Boundary Layer Flow of Nanofluid Over a Convectively Heated Stretching Sheet, INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS ICNAAM 2019, Book Series: AIP Conference Proceedings, Volume: 2293, Article Number: 270003, International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), SEP 23-28, 2019, Rhodes, GREECE, ISSN: 0094-243X, ISBN: 978-0-7354-4025-8, Published: 2020;
126. Marsavina, C. Understanding the Impact of Mutable Global State on the Defect Proneness of Object-Oriented Systems, 2020 IEEE 14TH INTERNATIONAL SYMPOSIUM ON APPLIED COMPUTATIONAL INTELLIGENCE AND INFORMATICS (SACI 2020), Pages: 105-110, IEEE 14th International Symposium on Applied Computational Intelligence and Informatics (SACI), MAY 21-23, 2020, Timisoara, ROMANIA, ISBN: 978-1-7281-7376-4, Published: 2020;
127. Marsavina, C. Studying the Evolution of Static Methods and their Effect on Class Testability, 2020 IEEE 20TH INTERNATIONAL SYMPOSIUM ON COMPUTATIONAL INTELLIGENCE AND INFORMATICS (CINTI), Book Series: International Symposium on Computational Intelligence and Informatics, 20th IEEE International Symposium on Computational Intelligence and Informatics (CINTI), NOV 05-07, 2020, Budapest, HUNGARY, ISSN: 2380-8586, eISSN: 2471-9269, ISBN: 978-1-7281-8339-8, Published: 2020;
128. Martin, A.D., Tutelea, L.N., Boldea, I. Twin Induction Machines Artificial Loading Without Mechanical Coupling, 2020 INTERNATIONAL CONFERENCE ON ELECTRICAL MACHINES (ICEM), VOL 1, Pages: 352-358, 24th International Conference on Electrical Machines (ICEM), AUG 23-26, 2020, ELECTR NETWORK, ISBN: 978-1-7281-9945-0, Published: 2020;
129. Matiu-lovan, L., Ordodi, V., Ionel, R., Bonciog, D. Virtual Instrumentation based Prototype for Evaluation of the Cardiac Systolic Function, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 107-110, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
130. Mercioni, M.A., Holban, S. TeLU: A New Activation Function for Deep Learning, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 32-35, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
131. Mercioni, M.A., Holban, S. P-Swish: Activation Function with Learnable Parameters Based on Swish Activation Function in Deep Learning, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 40-43, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
132. Mercioni, M.A., Holban, S. The Most Used Activation Functions: Classic Versus Current, 2020 15TH INTERNATIONAL CONFERENCE ON DEVELOPMENT AND APPLICATION SYSTEMS (DAS), Pages: 141-145, 15th International Conference on Development and Application Systems (DAS), MAY 21-23, 2020, Suceava, ROMANIA, ISBN: 978-1-7281-6870-8, Published: 2020;
133. Mercioni, M.A., Tat, A.M., Holban, S. Improving the Accuracy of Deep Neural Networks Through Developing New Activation Functions, 2020 IEEE 16TH INTERNATIONAL CONFERENCE ON INTELLIGENT COMPUTER COMMUNICATION AND PROCESSING (ICCP 2020), Book Series: IEEE International Conference on Intelligent Computer Communication and Processing ICCP, Pages: 385-391, IEEE 16th International Conference on Intelligent Computer Communication and Processing (ICCP), SEP 03-05, 2020, ELECTR NETWORK, ISSN: 2065-9946, ISBN: 978-1-7281-9080-8, Published: 2020;

134. Mihaicuta, S., Topirceanu, A., Udrescu, L., Udrescu, M. Assessing the predictive potential of neck circumference for diagnostic and CPAP treatment response in OSAS with network medicine, JOURNAL OF SLEEP RESEARCH, Meeting Abstract: P321, Volume: 29, Special Issue: SI, Pages: 226–227, Supplement: 1, 25th Congress of the European-Sleep-Research-Society (ESRS), SEP 22–24, 2020, ELECTR NETWORK, ISSN: 0962-1105, eISSN: 1365-2869, Published: 2020;
135. Mihut, D., Chilibaru-Opritescu, C. An Optimal Approach to a Nonlinear Dynamical System Related to Gait Dynamics, INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS ICNAAM 2019, Book Series: AIP Conference Proceedings, Volume: 2293, Article Number: 270005, International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), SEP 23–28, 2019, Rhodes, GREECE, ISSN: 0094-243X, ISBN: 978-0-7354-4025-8, Published: 2020;
136. Miklos, I.Z., Miklos, C.C., Alic, C.I. Piston crank mechanism simulation using finite element method, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012005, International Conference on Applied Sciences (ICAS), MAY 09–11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
137. Mir, F., Kouhalvandi, L., Matekovits, L., Gunes, E.O. Electromagnetic Bottom-Up Optimization for Automated Antenna Designs, 2020 IEEE ASIA-PACIFIC MICROWAVE CONFERENCE (APMC), Pages: 792–794, IEEE Asia-Pacific Microwave Conference (APMC), DEC 08–11, 2020, ELECTR NETWORK, ISBN: 978-1-7281-6962-0, Published: 2020;
138. Mischie, N., Albu, A. Artificial Neural Networks for Diagnosis of Coronary Heart Disease, 2020 INTERNATIONAL CONFERENCE ON E-HEALTH AND BIOENGINEERING (EHB), Book Series: E-Health and Bioengineering Conference, 8th International Conference on E-Health and Bioengineering (EHB), OCT 29–30, 2020, ELECTR NETWORK, ISSN: 2575-5137, eISSN: 2575-5145, ISBN: 978-1-7281-8803-4, Published: 2020;
139. Mischie, S., Matiu-lovan, L. HEADING COMPUTATION USING MAGNETOMETER, INERTIAL SENSORS AND BLUETOOTH COMMUNICATION, 2020 13TH INTERNATIONAL CONFERENCE ON COMMUNICATIONS (COMM), Pages: 211–214, 13th International Conference on Communications (COMM), JUN 18–20, 2020, ELECTR NETWORK, ISBN: 978-1-7281-5611-8, Published: 2020;
140. Mischie, S., Gasparesc, G. On Using ReSpeaker Mic Array 2.0 for speech processing algorithms, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 317–320, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05–06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
141. Mitrea, T., Vasile, V., Borda, M., Naforntita, C., Romaniuc, A. STUDY OF ATTACKS ON SATELLITE NAVIGATION SYSTEM RECEIVERS, 2020 13TH INTERNATIONAL CONFERENCE ON COMMUNICATIONS (COMM), Pages: 521–525, 13th International Conference on Communications (COMM), JUN 18–20, 2020, ELECTR NETWORK, ISBN: 978-1-7281-5611-8, Published: 2020;
142. Moldovan, C., Ciupe, V., Dolga, V., Lovasz, E.C., Maniu, I. Design and Novel Control Solution for a Modular Mechatronic Demonstrator with Video Feedback Used in Research and Education, TWELFTH INTERNATIONAL CONFERENCE ON MACHINE VISION (ICMV 2019), Book Series: Proceedings of SPIE, Volume: 11433, Article Number: UNSP 114332F, 12th International Conference on Machine Vision (ICMV), NOV 16–18, 2019, Amsterdam, NETHERLANDS, ISSN: 0277-786X, eISSN: 1996-756X, ISBN: 978-1-5106-3644-6, Published: 2020;
143. Morarescu, A., Herban, S., Vilceanu, C.B., Grecea, D. Durable Solutions for Precision Agriculture in Romania, INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS ICNAAM 2019, Book Series: AIP Conference Proceedings, Volume: 2293, Article Number: 350006, International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), SEP 23–28, 2019, Rhodes, GREECE, ISSN: 0094-243X, ISBN: 978-0-7354-4025-8, Published: 2020;
144. Muntea, D., Giurgiu, M., Topirceanu, A. Network-based clustering of book genres based on the connection between books bought together, 2020 IEEE 14TH INTERNATIONAL SYMPOSIUM ON APPLIED COMPUTATIONAL INTELLIGENCE AND INFORMATICS (SACI 2020), Pages: 41–46, IEEE 14th International Symposium on Applied Computational Intelligence and Informatics (SACI), MAY 21–23, 2020, Timisoara, ROMANIA, ISBN: 978-1-7281-7376-4, Published: 2020;
145. Naforntita, C., Isar, A., Dehelean, T., Naforntita, I. Comparison of Two Compressive Sensing Algorithms for Automotive Radar, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 253–258, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05–06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;

146. Nedelcea, M.L., Albu, A. Warning Solution for Medication Administration, 2020 IEEE 14TH INTERNATIONAL SYMPOSIUM ON APPLIED COMPUTATIONAL INTELLIGENCE AND INFORMATICS (SACI 2020), Pages: 95-98, IEEE 14th International Symposium on Applied Computational Intelligence and Informatics (SACI), MAY 21-23, 2020, Timisoara, ROMANIA, ISBN: 978-1-7281-7376-4, Published: 2020;
147. Nedelcu, D., Gillich, G.R., Gerocs, A., Padurean, I. A comparative study between photogrammetry and laser technology applied on model turbine blades, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012026, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
148. Nedelcu, D., Gillich, G.R., Bloju, A., Padurean, I. The kinematic and kinetostatic study of the shaker mechanism with SolidWorks Motion, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012025, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
149. Neiconi, A.O., Pacurar, O.T., De Sabata, A. EMC Characteristics of Helical Antennas used in Automotive Testing, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 139-142, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
150. Nicola, S., Chirila, O.S., Stoicu-Tivadar, L. Gesture Classification for a Hand Controller Device Using Neural Networks, DIGITAL PERSONALIZED HEALTH AND MEDICINE, Book Series: Studies in Health Technology and Informatics, Volume: 270, Pages: 756-760, PubMed ID: 32570484, 30th Medical Informatics Europe (MIE) Conference, APR, 2020, Geneva, SWITZERLAND, ISSN: 0926-9630, eISSN: 1879-8365, ISBN: 978-1-64368-083-5; 978-1-64368-082-8, Published: 2020;
151. Nicola, S., Stoicu-Tivadar, L. Evaluating Interactivity in VR Healthcare Applications Using Analytics, IMPORTANCE OF HEALTH INFORMATICS IN PUBLIC HEALTH DURING A PANDEMIC, Book Series: Studies in Health Technology and Informatics, Volume: 272, Pages: 225-228, PubMed ID: 32604642, 18th Annual International Conference on Informatics, Management, and Technology in Healthcare (ICIMTH), JUL 03-05, 2020, ELECTR NETWORK, ISSN: 0926-9630, eISSN: 1879-8365, ISBN: 978-1-64368-093-4; 978-1-64368-092-7, Published: 2020;
152. Nitulescu, A., Crisan-Vida, M., Stoicu-Tivadar, L. Continuous Monitoring and Statistical Modelling of Heart Rate Variability, DIGITAL PERSONALIZED HEALTH AND MEDICINE, Book Series: Studies in Health Technology and Informatics, Volume: 270, Pages: 128-132, PubMed ID: 32570360, 30th Medical Informatics Europe (MIE) Conference, APR, 2020, Geneva, SWITZERLAND, ISSN: 0926-9630, eISSN: 1879-8365, ISBN: 978-1-64368-083-5; 978-1-64368-082-8, Published: 2020;
153. Oprea, R.I., Pater, F., Juratoni, A., Bundau, O. An Introduction to Spectral Theory in Fuzzy Normed Linear Spaces, INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS ICNAAM 2019, Book Series: AIP Conference Proceedings, Volume: 2293, Article Number: 350008, International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), SEP 23-28, 2019, Rhodes, GREECE, ISSN: 0094-243X, ISBN: 978-0-7354-4025-8, Published: 2020;
154. Oprea, R.I., Pater, F., Juratoni, A., Bundau, O. Dynamic Analysis in an Economic Growth Model with CES Utility Function and Delay, INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS ICNAAM 2019, Book Series: AIP Conference Proceedings, Volume: 2293, Article Number: 350007, International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), SEP 23-28, 2019, Rhodes, GREECE, ISSN: 0094-243X, ISBN: 978-0-7354-4025-8, Published: 2020;
155. Orasan, I.L., Căleanu, C.D. ARM Embedded Low Cost Solution for Implementing Deep Learning Paradigms, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 36-39, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
156. Orhei, C., Mocofan, M., Vert, S., Vasile, R. End-to-End Computer Vision Framework, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 63-66, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;

157. Orhei, C., Bogdan, V., Bonchis, C. Edge map response of dilated and reconstructed classical filters, 2020 22ND INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING (SYNASC 2020), Book Series: International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, Pages: 187-194, 22nd International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), SEP 01-04, 2020, ELECTR NETWORK, ISSN: 2470-8801, ISBN: 978-1-7281-7628-4, Published: 2020;
158. Pacurar, O., Silaghi, A., De Sabata, A. MEASUREMENT AND SIMULATION OF ELECTROSTATIC DISCHARGE IN THE AUTOMOTIVE INDUSTRY, 2020 13TH INTERNATIONAL CONFERENCE ON COMMUNICATIONS (COMM), Pages: 443-446, 13th International Conference on Communications (COMM), JUN 18-20, 2020, ELECTR NETWORK, ISBN: 978-1-7281-5611-8, Published: 2020;
159. Pacurar, O.T., Balint, C., Iftode, C., Silaghi, A.M., De Sabata, A. Spectrum Occupancy Measurements in the Wi-Fi Band with a PCB Antenna, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 143-146, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
160. Pacurar, O.T., Silaghi, A.M., Balint, C., De Sabata, A., Graur, A. Experiments Concerning the Spectrum Structure Inside an Automotive FMC Laboratory, 2020 15TH INTERNATIONAL CONFERENCE ON DEVELOPMENT AND APPLICATION SYSTEMS (DAS), Pages: 133-136, 15th International Conference on Development and Application Systems (DAS), MAY 21-23, 2020, Suceava, ROMANIA, ISBN: 978-1-7281-6870-8, Published: 2020;
161. Panfilii, I., Precup, R.E., Roman, R.C., Petriu, E.M. Wilt Dataset-based Comparative Analysis of Three Neural Networks, PROCEEDINGS OF THE 2020 12TH INTERNATIONAL CONFERENCE ON ELECTRONICS, COMPUTERS AND ARTIFICIAL INTELLIGENCE (ECAI-2020), Book Series: International Conference on Electronics Computers and Artificial Intelligence, 12th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), JUN 25-27, 2020, Bucharest, ROMANIA, ISSN: 2378-7147, ISBN: 978-1-7281-6843-2, Published: 2020;
162. Paraschiva, G.A., Draghici, A. TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING SCHOOLS AS LEARNING ORGANISATIONS: EXPERIMENTAL RESEARCH, ROMANIA'S CASE, 14TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE (INTED2020), Book Series: INTED Proceedings, Pages: 4503-4512, 14th International Technology, Education and Development Conference (INTED), MAR 02-04, 2020, Valencia, SPAIN, ISSN: 2340-1079, ISBN: 978-84-09-17939-8, Published: 2020;
163. Paraschiva, G.A., Draghici, A. Are Romanian Schools Learning Organizations?, EDUCATION EXCELLENCE AND INNOVATION MANAGEMENT: A 2025 VISION TO SUSTAIN ECONOMIC DEVELOPMENT DURING GLOBAL CHALLENGES, Pages: 279-289, 35th International-Business-Information-Management-Association Conference (IBIMA), APR 01-02, 2020, Seville, SPAIN, ISBN: 978-0-9998551-4-0, Published: 2020;
164. Pasc A.M., Beilicci, R., Beilicci, E. Improvement of the pressurization station SPP 41 from the irrigation system of Ograda, Ialomita County, Romania, 5TH WORLD MULTIDISCIPLINARY CIVIL ENGINEERING-ARCHITECTURE-URBAN PLANNING SYMPOSIUM (WMCAUS), Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 960, Article Number: 032082, 5th World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), JUN 15-19, 2020, Prague, CZECH REPUBLIC, ISSN: 1757-8981, Published: 2020;
165. Pater, F., Herban, S., Rosu, S. On the Topics of "Mathematical Optimization in Modern Medicine and Engineering" Symposium 2019, INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS ICNAAM 2019, Book Series: AIP Conference Proceedings, Volume: 2293, Article Number: 350001, International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), SEP 23-28, 2019, Rhodes, GREECE, ISSN: 0094-243X, ISBN: 978-0-7354-4025-8, Published: 2020;
166. Pater, L., Izvercian, M. A Statistical Study on Environmental Protection of Sustainable Products Consumers, INTERNATIONAL CONFERENCE ON NUMERICAL ANALYSIS AND APPLIED MATHEMATICS ICNAAM 2019, Book Series: AIP Conference Proceedings, Volume: 2293, Article Number: 350011, International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), SEP 23-28, 2019, Rhodes, GREECE, ISSN: 0094-243X, ISBN: 978-0-7354-4025-8, Published: 2020;
167. Petrenci, R., Frigura-Iliasa, M., Baloi, F., Olariu, A., Iftime, S., Frigura-Iliasa, F. TEACHING TOOL FOR THE ASSESSMENT OF MAIN POLLUTING AGENTS NEAR THERMAL POWER PLANTS, 14TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE (INTED2020), Book Series: INTED Proceedings, Pages: 8040-8046, 14th International Technology, Education and Development Conference (INTED), MAR 02-04, 2020, Valencia, SPAIN, ISSN: 2340-1079, ISBN: 978-84-09-17939-8, Published: 2020;

168. Petri, M., Turi, A., Ivascu, L., Vlad, M.E. Taboos in Higher Education: How Ethical Values Are Bent Under Pressure, EDUCATION EXCELLENCE AND INNOVATION MANAGEMENT: A 2025 VISION TO SUSTAIN ECONOMIC DEVELOPMENT DURING GLOBAL CHALLENGES, Pages: 12774-12784, 35th International-Business-Information-Management-Association Conference (IBIMA), APR 01-02, 2020, Seville, SPAIN, ISBN: 978-0-9998551-4-0, Published: 2020;
169. Petrita, T., Alexa, F., Negrea, R. A Comparison Between Two Antenna Pattern Approximations, 2020 INTERNATIONAL WORKSHOP ON ANTENNA TECHNOLOGY (IWAT), International Workshop on Antenna Technology (iWAT), FEB 25-28, 2020, Bucharest, ROMANIA, ISBN: 978-1-7281-2640-1, Published: 2020;
170. Pfeifer, F., Anghel, A., Milincu, C., Filipescu, H., Frigura-Iliasa, F., Mohora, I. NEW ADVANCED TEACHING TOOLS FOR SMART CREATIVE DESIGN, 14TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE (INTED2020), Book Series: INTED Proceedings, Pages: 7833-7839, 14th International Technology, Education and Development Conference (INTED), MAR 02-04, 2020, Valencia, SPAIN, ISSN: 2340-1079, ISBN: 978-84-09-17939-8, Published: 2020;
171. Pfeifer, F., Frigura-Iliasa, M., Filipescu, H.E., Dolga, L., Dolga, V., Pocola, A. CAD Design of Overvoltage Protection Systems Applied to Embedded Systems in Automotive, 2020 IEEE 18TH WORLD SYMPOSIUM ON APPLIED MACHINE INTELLIGENCE AND INFORMATICS (SAMI 2020), Pages: 79-82, 18th IEEE World Symposium on Applied Machine Intelligence and Informatics (SAMI), JAN 23-25, 2020, Herlany, SLOVAKIA, ISBN: 978-1-7281-3149-8, Published: 2020;
172. Pinca-Bretotean, C., Josan, A., Preda, C. Numerical and experimental analysis of dry contact in pad disc brake assembly, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012002, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
173. Pop, M.D., Prostean, O., Prostean, G. Minimax Strategy for Lane Choice Prediction in Markovian Traffic Modeling, GOL'20: 2020 5TH INTERNATIONAL CONFERENCE ON LOGISTICS OPERATIONS MANAGEMENT (GOL), Pages: 73-78, 5th IEEE International Conference on Logistics Operations Management (GOL), OCT 28-30, 2020, ELECTR NETWORK, ISBN: 978-1-7281-6425-0, Published: 2020;
174. Pop, N., Iacob, F., Mezei, J.Z., Niyonzima, S., Motapon, O., Schneider, I.F. Dissociative recombination and vibrational excitation of molecular cations with electrons: application to H-2(+), BeH+ and their isotopomers, 31ST INTERNATIONAL CONFERENCE ON PHOTONIC, ELECTRONIC AND ATOMIC COLLISIONS (ICPEAC XXXI), Book Series: Journal of Physics Conference Series, Volume: 1412, Article Number: 172004, 31st International Conference on Photonic, Electronic and Atomic Collisions (ICPEAC), JUL 23-30, 2019, Deauville, FRANCE, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
175. Pop-Calimanu, I.M., Cauc, A.A., Pop-Calimanu, M. A New Quadratic Step-Down Converter, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 215-218, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
176. Povian, C.M. ARCHITECTURAL STRATEGIES FOR CHILDREN WITH SPECIAL EDUCATIONAL NEEDS, 7TH INTERNATIONAL CONFERENCE ON EDUCATION AND SOCIAL SCIENCES (INTCESS 2020), Pages: 1167-1172, 7th International Conference on Education and Social Sciences (INTCESS), JAN 20-22, 2020, Dubai, U ARAB EMIRATES, ISBN: 978-605-82433-8-5, Published: 2020;
177. Povian, C.M. ALTERNATIVE METHODS OF TEACHING INTERIOR DESIGN STYLISTICS, 7TH INTERNATIONAL CONFERENCE ON EDUCATION AND SOCIAL SCIENCES (INTCESS 2020), Pages: 1253-1259, 7th International Conference on Education and Social Sciences (INTCESS), JAN 20-22, 2020, Dubai, U ARAB EMIRATES, ISBN: 978-605-82433-8-5, Published: 2020;
178. Povian, C.M. THE ARCHITECTURAL PERCEPTION AND THE MAIN FACTORS THAT CAN INFLUENCE IT, 14TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE (INTED2020), Book Series: INTED Proceedings, Pages: 7899-7906, 14th International Technology, Education and Development Conference (INTED), MAR 02-04, 2020, Valencia, SPAIN, ISSN: 2340-1079, ISBN: 978-84-09-17939-8, Published: 2020;
179. Prodan, G. The impact of Coronavirus on Romanian Automotive Industry, EDUCATION EXCELLENCE AND INNOVATION MANAGEMENT: A 2025 VISION TO SUSTAIN ECONOMIC DEVELOPMENT DURING GLOBAL CHALLENGES, Pages: 9871-9878, 35th International-Business-Information-Management-Association Conference (IBIMA), APR 01-02, 2020, Seville, SPAIN, ISBN: 978-0-9998551-4-0, Published: 2020;



180. Puiu, M., Chirita-Emandi, A., Andreescu, N., Doros, G., Popoiu, A., Dumitrescu, A., Lacatusu, A., Zimbru, C. Identifying the molecular cause in Marfan and Marfan like phenotype in a cohort of patients from Romania-5-year single center experience, EUROPEAN JOURNAL OF HUMAN GENETICS, Meeting Abstract: P04.42.C, Volume: 28, Issue: SUPPL 1, Pages: 243-244, Supplement: 1, ISSN: 1018-4813, eISSN: 1476-5438, Published: 2020;
181. Radac, M.B., Lala, T. Learning nonlinear robust control as a data-driven zero-sum two-player game for an active suspension system, IFAC PAPERSONLINE, Volume: 53, Issue: 2, Pages: 8057-8062, 21st IFAC World Congress on Automatic Control - Meeting Societal Challenges, JUL 11-17, 2020, ELECTR NETWORK, ISSN: 2405-8963, Published: 2020;
182. Radu, M., Serban, S., Popa, E., Heput, T. Influence of steel vacuuming on the reduction of hydrogen content, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012052, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
183. Ratiu, S., Alexa, V., Josan, A., Cioata, V.G., Kiss, I. Study of temperature dependent viscosity of different types of engine used oils, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012001, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
184. Ricman, R.S., Szabo, R., Burta, A. Temperature Acquisition and Logging in an Online SQL Database Used in a Photovoltaic System, 2020 43RD INTERNATIONAL CONFERENCE ON TELECOMMUNICATIONS AND SIGNAL PROCESSING (TSP), Pages: 57-60, 43rd International Conference on Telecommunications and Signal Processing (TSP), JUL 07-09, 2020, ELECTR NETWORK, ISBN: 978-1-7281-6376-5, Published: 2020;
185. Ricman, R.S., Szabo, R., Burta, A. Vacuum Pressure Online Logging Software Creation for a Solar Collector, 2020 43RD INTERNATIONAL CONFERENCE ON TELECOMMUNICATIONS AND SIGNAL PROCESSING (TSP), Pages: 61-64, 43rd International Conference on Telecommunications and Signal Processing (TSP), JUL 07-09, 2020, ELECTR NETWORK, ISBN: 978-1-7281-6376-5, Published: 2020;
186. Roman, R.C., Precup, R.E., Petriu, E.M., David, R.C., Hedrea, E.L., Szedlak-Stinean, A.I. First-Order Active Disturbance Rejection-Virtual Reference Feedback Tuning Control of Tower Crane Systems, 2020 24TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC), Book Series: International Conference on System Theory Control and Computing, Pages: 137-142, 24th International Conference on System Theory, Control and Computing (ICSTCC), OCT 08-10, 2020, ELECTR NETWORK, ISSN: 2372-1618, ISBN: 978-1-7281-9809-5, Published: 2020;
187. Roman, R.C., Precup, R.E., Petriu, E.M., Bojan-Dragos, C.A., Vanya, V.B., Rarinca, M.D. Second Order Active Disturbance Rejection Control - Virtual Reference Feedback Tuning for Twin Rotor Aerodynamic Systems, 2020 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS (SMC), Book Series: IEEE International Conference on Systems Man and Cybernetics Conference Proceedings, Pages: 1693-1698, IEEE International Conference on Systems, Man, and Cybernetics (SMC), OCT 11-14, 2020, ELECTR NETWORK, ISSN: 1062-922X, ISBN: 978-1-7281-8526-2, Published: 2020;
188. Saman, O., Muscaliuc, R., Stanciu, L. Music panel: An application for creating and editing music using OpenCV and JFugue, 2020 24TH INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC), Book Series: International Conference on System Theory Control and Computing, Pages: 379-383, 24th International Conference on System Theory, Control and Computing (ICSTCC), OCT 08-10, 2020, ELECTR NETWORK, ISSN: 2372-1618, ISBN: 978-1-7281-9809-5, Published: 2020;
189. Savu-Jivanov, A., Isar, A., Stoloiescu-Crisan, C., Gal, J. Network Self-Similar Traffic Generator with Variable Hurst Parameter, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 359-362, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
190. Shamtshyan, M., Kolesnikov, B., Pushkarev, M., Gaceu, L., Oprea, O.B., Iatco, I., Mnerie, D., Mnerie, G., Tita, O., Tita, M., Georgescu, C., Mironescu, M., Stefanov, S., Damianova, S. Study of awareness of food labeling among consumers in North-West Russia, INTERNATIONAL SCIENTIFIC CONFERENCE ON BIOTECHNOLOGY AND FOOD TECHNOLOGY (BFT-2020), Book Series: E3S Web of Conferences, Volume: 215, Article Number: 01002, International Scientific Conference on Biotechnology and Food Technology (BFT), OCT 27-29, 2020, Saint Petersburg, RUSSIA, ISSN: 2267-1242, Published: 2020;

191. Sharma, A.K., Bhandari, R., Aherwar, A., Pinca-Bretotean, C. A study of fabrication methods of aluminum based composites focused on stir casting process, MATERIALS TODAY-PROCEEDINGS, Volume: 27, Pages: 1608-1612, 1st International Conference on Advanced Lightweight Materials and Structures (ICALMS), MAR 06-07, 2020, Hyderabad, INDIA, ISSN: 2214-7853, Published: 2020;
192. Sharma, A.K., Bhandari, R., Aherwar, A., Rimasauskiene, R., Pinca-Bretotean, C. A study of advancement in application opportunities of aluminum metal matrix composites, MATERIALS TODAY-PROCEEDINGS, Volume: 26, Pages: 2419-2424, 10th International Conference of Materials Processing and Characterization (ICMPC), FEB 21-23, 2020, Mathura, INDIA, ISSN: 2214-7853, Published: 2020;
193. Shen, W.S., Renken, F., Lasca, D. Soft Switched Multiphase Converter with Parallel Resonant DC-Link Circuit, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 195-198, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
194. Shen, W.S., Renken, F., Lasca, D. A New Multiphase ZVT-PWM Synchronous Buck Converter, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 199-202, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
195. Silaghi, A.M., De Sabata, A. EMC Simulation of an Automotive Ethernet Interface, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 103-106, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
196. Silaghi, A.M., De Sabata, A., Graur, A., Fechet, R. Simulation of Surge Pulse Generator and Applications in Automotive Immunity Testing, 2020 15TH INTERNATIONAL CONFERENCE ON DEVELOPMENT AND APPLICATION SYSTEMS (DAS), Pages: 117-120, 15th International Conference on Development and Application Systems (DAS), MAY 21-23, 2020, Suceava, ROMANIA, ISBN: 978-1-7281-6870-8, Published: 2020;
197. Silaghi, A.M., De Sabata, A. Analysis of Radiated Immunity of an Automotive Display by Means of Testing and Simulation, 2020 43RD INTERNATIONAL CONFERENCE ON TELECOMMUNICATIONS AND SIGNAL PROCESSING (TSP), Pages: 73-76, 43rd International Conference on Telecommunications and Signal Processing (TSP), JUL 07-09, 2020, ELECTR NETWORK, ISBN: 978-1-7281-6376-5, Published: 2020;
198. Silaghi, A.M., Berinde, F., Bleoju, C., De Sabata, A. EMC Simulation of Conducted Emissions Produced by a DC-DC converter, 2020 IEEE 26TH INTERNATIONAL SYMPOSIUM FOR DESIGN AND TECHNOLOGY IN ELECTRONIC PACKAGING (SIITME 2020), Book Series: International Symposium for Design and Technology in Electronic Packaging, Pages: 440-443, IEEE 26th International Symposium for Design and Technology in Electronic Packaging (SIITME), OCT 21-24, 2020, Pitesti, ROMANIA, ISSN: 2641-287X, ISBN: 978-1-7281-7506-5, Published: 2020;
199. Silaghi, A.M., De Sabata, A., Matekovits, L. Multi Wide-Band Frequency Selective Surface for Automotive Applications, 2020 IEEE INTERNATIONAL SYMPOSIUM ON ANTENNAS AND PROPAGATION AND NORTH AMERICAN RADIO SCIENCE MEETING, Book Series: IEEE Antennas and Propagation Society International Symposium, Pages: 721-722, IEEE International Symposium on Antennas and Propagation / North American Radio Science Meeting, JUL 05-10, 2020, ISSN: 1522-3965, ISBN: 978-1-7281-6670-4, Published: 2020;
200. Simu, C., Vesa, A. First Fresnel Ellipse Evaluation, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 399-403, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
201. Sirbu, C.L., Simion, G., Caleanu, C.D. Deep CNN for Contrast-Enhanced Ultrasound Focal Liver Lesions Diagnosis, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 3-6, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;

202. Staicu, L.L., Puiu, R.V., Bogdan, R., Crisan-Vida, M., Marcu, M. Communication and Verification for Radar Sensors in the Context of Driver Assistance Systems, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 87-90, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
203. Stirb, A., Marc, P., Belc, A., Belc, F., Buzuriu, A. Research Concerning the Impact of Geometrical Characteristics of Natural Quarry Aggregates Used in the Composition of Asphalt Concrete, 5TH WORLD MULTIDISCIPLINARY CIVIL ENGINEERING-ARCHITECTURE-URBAN PLANNING SYMPOSIUM (WMCAUS), Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 960, Article Number: 032046, 5th World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), JUN 15-19, 2020, Prague, CZECH REPUBLIC, ISSN: 1757-8981, Published: 2020;
204. Stoica, D.M. Nonuniform stability in mean-square for stochastic differential equations in Hilbert spaces, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012013, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
205. Stolojescu-Crisan, C., Butunoi, B.P., Crisan, C. IoT Based Intelligent Building Applications in the Context of COVID-19 Pandemic, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 355-358, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
206. Strava, C.C., Varga, M.G. Evaluating the Level of Perceived Stress on Physical Education and Sports Teachers from Timis County, Romania, at the Beginning of the School Year, in the Context of COVID-19 Pandemic, PROCEEDINGS OF THE 6TH INTERNATIONAL CONFERENCE OF UNIVERSITARIA CONSORTIUM FEFSTIM: PHYSICAL EDUCATION, SPORTS AND KINESIOTHERAPY - IMPLICATIONS IN QUALITY OF LIFE, Pages: 57-62, 6th International Conference of the University Consortium - FEFSTIM - Physical Education, Sports and Kinesiotherapy - Implications in Quality of Life, NOV 06-07, 2020, Timisoara, ROMANIA, ISBN: 979-12-80225-05-4, Published: 2020;
207. Szabo, R. Parameter Monitoring and Logging of a Thermo-Electric Hybrid Solar System, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 115-118, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
208. Szabo, R. The Design of a Crowd Density Checker App in Android with People Localization Using the GPS from the Mobile Device, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 347-350, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
209. Szabo, R., Gontean, A. Resource Utilization Comparison between Plain FPGA and SoC Combined with FPGA for Image Processing Applications Used by Robotic Arms, 2020 IEEE 26TH INTERNATIONAL SYMPOSIUM FOR DESIGN AND TECHNOLOGY IN ELECTRONIC PACKAGING (SIITME 2020), Book Series: International Symposium for Design and Technology in Electronic Packaging, Pages: 256-259, IEEE 26th International Symposium for Design and Technology in Electronic Packaging (SIITME), OCT 21-24, 2020, Pitesti, ROMANIA, ISSN: 2641-287X, ISBN: 978-1-7281-7506-5, Published: 2020;
210. Tarfulea, N., Frigura-Iliasa, F.M., Iftime, S., Iorga, M., Simo, A., Frigura-Iliasa, M. TEACHING EQUIPMENT AND PROCEDURE FOR LOW VOLTAGE QUALITY MEASUREMENTS, 14TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE (INTED2020), Book Series: INTED Proceedings, Pages: 8062-8067, 14th International Technology, Education and Development Conference (INTED), MAR 02-04, 2020, Valencia, SPAIN, ISSN: 2340-1079, ISBN: 978-84-09-17939-8, Published: 2020;
211. Tarfulea, N., Simo, A., Vatau, D., Frigura-Iliasa, F.M., Musuroi, S., Andea, P. Fuzzy Logic Based Diagnosis of SF6 Switching Devices, 2020 IEEE 18TH WORLD SYMPOSIUM ON APPLIED MACHINE INTELLIGENCE AND INFORMATICS (SAMI 2020), Pages: 31-34, 18th IEEE World Symposium on Applied Machine Intelligence and Informatics (SAMI), JAN 23-25, 2020, Herlany, SLOVAKIA, ISBN: 978-1-7281-3149-8, Published: 2020;

212. Teusdea, D.F., Stan, D.V., Voda, M., Lovasz, E.C. Study on the influence of recycled material on the tensile strength of HDPE products, MODTECH INTERNATIONAL CONFERENCE - MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING VIII, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 916, Article Number: 012119, 8th International Conference on Modern Technologies in Industrial Engineering VIII (ModTech), JUN 23-27, 2020, ELECTR NETWORK, ISSN: 1757-8981, Published: 2020;
213. Tinca, J.E., Rai, P., Faller, D. System-Level Flip-Chip Ball Grid Array Solder Joint Reliability Assessment Under Different Methodologies and Correlation with Accelerated Thermal Cycling Experimental Data, 2020 IEEE 8TH ELECTRONICS SYSTEM-INTEGRATION TECHNOLOGY CONFERENCE (ESTC), 8th IEEE Electronics System-Integration Technology Conference (ESTC), SEP 15-18, 2020, Vestfold, NORWAY, ISBN: 978-1-7281-6293-5, Published: 2020;
214. Tirian, G.O., Chioncel, C.P., Holubeck, R., Cinkar, K. PLC programming to optimize water flow in secondary cooling zone, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012020, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
215. Tirian, G.O., Chioncel, C.P., Holubeck, R., Cinkar, K. Fuzzy decision system with a single variable parameter used in the intelligent control of the processes, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012021, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
216. Todea, N., Frigura-Iliasa, F.M., Filipescu, H.E., Dolga, L., Dolga, V., Crisovan, F. Reconstruction of Industrial Parts by using 3D Scanning Techniques, 2020 IEEE 18TH WORLD SYMPOSIUM ON APPLIED MACHINE INTELLIGENCE AND INFORMATICS (SAMI 2020), Pages: 27-30, 18th IEEE World Symposium on Applied Machine Intelligence and Informatics (SAMI), JAN 23-25, 2020, Herlany, SLOVAKIA, ISBN: 978-1-7281-3149-8, Published: 2020;
217. Tudor, M.C., Grozav, A. Constructions for the Protection of Underground Water against Pollution, in Warehouse Deposit Areas, 5TH WORLD MULTIDISCIPLINARY CIVIL ENGINEERING-ARCHITECTURE-URBAN PLANNING SYMPOSIUM (WMCAUS), Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 960, Article Number: 022071, 5th World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), JUN 15-19, 2020, Prague, CZECH REPUBLIC, ISSN: 1757-8981, Published: 2020;
218. Tudoroni, B., Isar, D. Simulation of Automotive MIMO Radar, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 367-370, 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
219. Tulcan, A., Banciu, F.V., Grozav, I. Tolerance allocation using Monte Carlo simulation, MODTECH INTERNATIONAL CONFERENCE - MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING VIII, Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 916, Article Number: 012122, 8th International Conference on Modern Technologies in Industrial Engineering VIII (ModTech), JUN 23-27, 2020, ELECTR NETWORK, ISSN: 1757-8981, Published: 2020;
220. Ungureanu-Anghel, D., Robu, R., Prostean, O. Mathematical Formalism of Sequential Automaton with Parallel Branches used in Industrial Automation, 2020 IEEE 14TH INTERNATIONAL SYMPOSIUM ON APPLIED COMPUTATIONAL INTELLIGENCE AND INFORMATICS (SACI 2020), Pages: 217-220, IEEE 14th International Symposium on Applied Computational Intelligence and Informatics (SACI), MAY 21-23, 2020, Timisoara, ROMANIA, ISBN: 978-1-7281-7376-4, Published: 2020;
221. Ursu-Neamt, G.V. Dynamic circulation in curve with R=300 m radius for CFR 060-EA 5100kW electric locomotive, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012029, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
222. Ursu-Neamt, G.V. Study about wear of wheel's bandage for CFR 060-EA 5100kW electric locomotive at circulation in curve with R=300 m radius, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012030, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;

223. Valean, C., Marsavina, L., Marghitas, M., Linul, E., Razavi, J., Berto, F. Effect of manufacturing parameters on tensile properties of FDM printed specimens, 1ST MEDITERRANEAN CONFERENCE ON FRACTURE AND STRUCTURAL INTEGRITY (MEDFRACT1), Book Series: Procedia Structural Integrity, Volume: 26, Pages: 313-320, 1st Mediterranean Conference on Fracture and Structural Integrity (MedFract), FEB, 2020, ELECTR NETWORK, ISSN: 2452-3216, Published: 2020;
224. Valean, C., Marsavina, L., Marghitas, M., Linul, E., Razavi, J., Berto, F., Brighenti, R. The effect of crack insertion for FDM printed PLA materials on Mode I and Mode II fracture toughness, 1ST VIRTUAL EUROPEAN CONFERENCE ON FRACTURE - VECF1, Book Series: Procedia Structural Integrity, Volume: 28, Pages: 1134-1139, 1st European-Structural-Integrity-Society (ESIS) Virtual European Conference on Fracture (ECF), JUN 29-JUL 01, 2020, ELECTR NETWORK, ISSN: 2452-3216, Published: 2020;
225. Viadoescu, C., Tunea, M., Stanciu, L. Benefits of Using Mobile Applications to Keep Under Control, Detect, Attenuate and Monitor COVID-19 Pandemic, 2020 INTERNATIONAL CONFERENCE ON E-HEALTH AND BIOENGINEERING (EHB), Book Series: E-Health and Bioengineering Conference, 8th International Conference on E-Health and Bioengineering (EHB), OCT 29-30, 2020, ELECTR NETWORK, ISSN: 2575-5137, eISSN: 2575-5145, ISBN: 978-1-7281-8803-4, Published: 2020;
226. Vilceanu, R., Onita, M., Ternauciu, A. Analyzing parking lots vacancy detection algorithms using Mask R-CNN implementations, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Book Series: International Symposium on Electronics and Telecommunications, Pages: 28-31, Title: 14th International Symposium on Electronics and Telecommunications (ISETC), NOV 05-06, 2020, ELECTR NETWORK, ISSN: 2475-787X, ISBN: 978-1-7281-8921-5, Published: 2020;
227. Visescu, M., Badaluta-Minda, C., Adam, R., Florescu, C., Eles, G. Flood Modelling in the Barzava River Sector, 5TH WORLD MULTIDISCIPLINARY CIVIL ENGINEERING-ARCHITECTURE-URBAN PLANNING SYMPOSIUM (WMCAUS), Book Series: IOP Conference Series-Materials Science and Engineering, Volume: 960, Article Number: 032014, 5th World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium (WMCAUS), JUN 15-19, 2020, Prague, CZECH REPUBLIC, ISSN: 1757-8981, Published: 2020;
228. Wu, C., Boldea, I., Zhou, D., Tutelea, L., Blaabjerg, F. Variable Stator Frequency Diode Rectifier DFIG for Lower Cost MVDC Interface, 2020 IEEE ENERGY CONVERSION CONGRESS AND EXPOSITION (ECCE), Book Series: IEEE Energy Conversion Congress and Exposition, Pages: 4189-4193, 12th Annual IEEE Energy Conversion Congress and Exposition (IEEE ECCE), OCT 10-15, 2020, Detroit, MI, ISSN: 2329-3721, ISBN: 978-1-7281-5826-6, Published: 2020;
229. Zgripcea, L., Hepuț, T., Putan, V., Ardelean, M. Researches regarding increase of impact resistance for welded structures by weld micro-alloying, INTERNATIONAL CONFERENCE ON APPLIED SCIENCES, Book Series: Journal of Physics Conference Series, Volume: 1426, Article Number: 012053, International Conference on Applied Sciences (ICAS), MAY 09-11, 2019, Hunedoara, ROMANIA, ISSN: 1742-6588, eISSN: 1742-6596, Published: 2020;
230. Zimbru, C.G., Andreescu, N., Chirita-Emandi, A., Puiu, M. Predicting Human Acceptor Splice Site Regions using Text Distance Methods, 2020 INTERNATIONAL CONFERENCE ON E-HEALTH AND BIOENGINEERING (EHB), Book Series: E-Health and Bioengineering Conference, 8th International Conference on E-Health and Bioengineering (EHB), OCT 29-30, 2020, ELECTR NETWORK, ISSN: 2575-5137, eISSN: 2575-5145, ISBN: 978-1-7281-8803-4, Published: 2020.

\* The data was obtained from Web of Science - Clarivate Analytics in 05 November 2021