

## GRANTURI SUPT ARTICOLE - PUBLICAȚII

### LISTĂ ARTICOLE PUBLICATE ÎN REVISTE INDEXATE WEB OF SCIENCE (ISI) CU FACTOR DE IMPACT (FI) ȘI BREVETE APROBAT ÎN CA din 01.02.2022

| Nr.crt. | ARTICOL  | Nr. Autori |      | Autori straini DA/NU | Autor UTCN depunere cerere | Clasificare articol | Valoare cota parte autor (Lei) | Valoare grant UTCN (Lei) |
|---------|--|------------|------|----------------------|----------------------------|---------------------|--------------------------------|--------------------------|
|         |  | TOTAL      | UTCN |                      |                            |                     |                                |                          |
| 1       | Geonea Ionut Daniel, Tarnita Daniela, <b>Pisla Doina</b> , Carbone Giuseppe, Bolcu Alexandru, <b>Tucan Paul</b> , Georgescu Marius, Tarnita Danut Nicolae, Dynamic Analysis of a Spherical Parallel Robot Used for Brachial Monoparesis Rehabilitation, <b>APPLIED SCIENCES-BASEL</b> , eISSN:2076-3417, Volume11, Issue24, Article Number11849, DOI10.3390/app112411849, <b>PublishedDEC 2021</b> | 8          | 2    | DA                   | TUCAN PAUL IIRMP/ISM       | Q2                  | 1,000.0                        | 2,000                    |
| 2       | <b>Pisla Doina</b> , Birlescu Iosif, Vaida liviu Calin, Gherman Bogdan, Tucan Paul, Carbone Giuseppe, <b>Plitea Nicolae</b> , <b>Brevet national nr RO 133814/29.10.2021</b> , ROBOT PARALEL PENTRU RECUPERAREA MOBILITATII MEMBRULUI INFERIOR.  | 7          | 6    | DA                   | TUCAN PAUL IIRMP/ISM       | BN                  | 642.9                          | 3,857                    |
| 3       | <b>Pisla Doina</b> , Birlescu Iosif, Vaida liviu Calin, Gherman Bogdan, Tucan Paul, Carbone Giuseppe, <b>Plitea Nicolae</b> , <b>Nadas iuliu</b> , <b>Pop Nicoleta</b> , <b>Craciun Florin</b> , <b>Brevet national nr RO 133815/29.10.2021</b> , ROBOT PARALEL PENTRU RECUPERAREA MEDICALA A MEMBRELOR INFERIORE.   | 10         | 9    | DA                   | TUCAN PAUL IIRMP/ISM       | BN                  | 450.0                          | 4,050                    |

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|---------|--|------------|------|----------------------|------------------------------|---------------------|--------------------------------|--------------------------|
|         |  | TOTAL      | UTCN |                      |                              |                     |                                |                          |
| 4       | <b>Laszlo Szilard Csaba</b> , Convergence rates for an inertial algorithm of gradient type associated to a smooth non-convex minimization, <b>MATHEMATICAL PROGRAMMING, ISSN:0025-5610</b> , Volume190, Issue1-2, Page285-329, DOI10.1007/s10107-020-01534-w, <b>PublishedNOV 2021</b>   | 1          | 1    | NU                   | Laszlo Szilard Csaba AC/MATH | Q1                  | 8,000.0                        | 8,000                    |
| 5       | Mocan Mihaela, Vlaicu Sonia Irina, Farcas Anca Daniela, Feier Horea, Dragan Simona, <b>Mocan Bogdan</b> , Cardiac Rehabilitation Early after Sternotomy Using New Assistive VR-Enhanced Robotic Exoskeleton-Study Protocol for a Randomised Controlled Trial, <b>INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH, eISSN:1660-4601</b> , Volume18, Issue22, Article Number11922, DOI10.3390/ijerph182211922, <b>PublishedNOV 2021</b> | 6          | 1    | NU                   | MOCAN BOGDAN IIRMP/IPR       | Q1                  | 1,333.3                        | 1,333                    |
| 6       | <b>Tulbure Andrei-Alexandru</b> , Tulbure Adrian-Alexandru, <b>Dulf Eva-Henrietta</b> , A review on modern defect detection models using DCNNs - Deep convolutional neural networks, <b>JOURNAL OF ADVANCED RESEARCH,ISSN:2090-1232</b> Volume35, Page33-48, DOI10.1016/j.jare.2021.03.015, <b>PublishedJAN 2022</b>   | 3          | 2    | NU                   | DULF EVA AC/AUT              | Q1                  | 2,666.7                        | 5,333                    |
| 7       | <b>Maier Dorin</b> , Building Materials Made of Wood Waste a Solution to Achieve the Sustainable Development Goals, <b>MATERIALS, eISSN:1996-1944</b> , Volume14, Issue24, Article Number7638, DOI10.3390/ma14247638, <b>PublishedDEC 2021</b>   | 1          | 1    | NU                   | Maier Dorin CO/CCM           | Q1                  | 8,000.0                        | 8,000                    |

| Nr.crt. | ARTICOL  | Nr. Autori |      | Autori straini DA/NU | Autor UTCN depunere cerere                   | Clasificare articol | Valoare cota parte autor (Lei) | Valoare grant UTCN (Lei) |
|---------|--|------------|------|----------------------|--|---------------------|--------------------------------|--------------------------|
|         |  | TOTAL      | UTCN |                      |  |                     |                                |                          |
| 8       | <b>Dippong Thomas</b> , Levei Erika Andrea, Deac Iosif Grigore, Petean Ioan, Borodi Gheorghe, Cadar Oana, Sol-Gel Synthesis, Structure, Morphology and Magnetic Properties of Ni <sub>0.6</sub> Mn <sub>0.4</sub> Fe <sub>2</sub> O <sub>4</sub> Nanoparticles Embedded in SiO <sub>2</sub> Matrix, NANOMATERIALS, eISSN:2079-4991, Volume11, Issue12, Article Number3455, DOI10.3390/nano11123455, <b>PublishedDEC 2021</b> | 6          | 1    | NU                   | Dippong Thomas<br>STIINTE/CHIMIE<br>BIOLOGIE | Q1                  | 1,333.3                        | 1,333                    |
| 9       | <b>Berinde Vasile</b> , Pacurar Madalina, Fixed point theorems for enriched Ciric-Reich-Rus contractions in Banach spaces and convex metric spaces, <b>CARPATHIAN JOURNAL OF MATHEMATICS</b> , ISSN:1584-2851, Volume37, Issue2, Page173-184, DOI10.37193/CJM.2021.02.03, <b>Published2021</b>   | 2          | 1    | NU                   | Berinde Vasile<br>STIINTE/MATEINF<br>O       | Q1                  | 4,000.0                        | 4,000                    |
| 10      | Georgescu Matei Razvan, Meslem Amina, Nastase Ilinca, <b>Bode Florin</b> , Personalized ventilation solutions for reducing CO <sub>2</sub> levels in the crew quarters of the International Space Station, BUILDING AND ENVIRONMENT, ISSN:0360-1323, Volume204, Article Number108150, DOI10.1016/j.buildenv.2021.108150, <b>PublishedOCT 15 2021</b>   | 4          | 1    | DA                   | Bode Florin<br>ARMM/IM                       | Q1                  | 2,500.0                        | 2,500                    |
| 11      | <b>Pop Claudia</b> , V, Essaid Mokhtar, Idoumghar Lhassane, <b>Fodorean Daniel</b> , Novel Differential Evolutionary Optimization Approach for an Integrated Motor-Magnetic Gear Used for Propulsion Systems, <b>IEEE ACCESS</b> , ISSN:2169-3536, Volume9, Page142114-142128, DOI10.1109/ACCESS.2021.3119523, <b>Published2021</b>  | 4          | 2    | DA                   | Fodorean Daniel<br>IE/MAE                    | Q2                  | 2,000.0                        | 4,000                    |
| 12      | Fodorean Daniel, <b>BREVET NATIONAL NR 134151/30.09.2021</b> , Motor sincron reactiv de 2 poli magnetici, cu rotor modular si tole axiale,   | 1          | 1    | NU                   | Fodorean Daniel<br>IE/MAE                    | BN                  | 4,500.0                        | 4,500                    |

| Nr.crt. | ARTICOL   | Nr. Autori |      | Autori straini DA/NU | Autor UTCN depunere cerere   | Clasificare articol | Valoare cota parte autor (Lei) | Valoare grant UTCN (Lei) |
|---------|---|------------|------|----------------------|------------------------------|---------------------|--------------------------------|--------------------------|
|         |   | TOTAL      | UTCN |                      |                              |                     |                                |                          |
| 13      | <b>Birs Isabela, Muresan Cristina, Prodan Ovidiu, Folea Silviu, Ionescu Clara</b> , An Experimental Approach towards Motion Modeling and Control of a Vehicle Transiting a Non-Newtonian Environment, <b>FRACTAL AND FRACTIONAL</b> , eISSN:2504-3110, Volume5, Issue3, Article Number104, DOI10.3390/fractalfract5030104, <b>PublishedSEP 2021</b> | 5          | 4    | DA                   | Birs Isabela AC/AUT          | Q1                  | 2,000.0                        | 8,000                    |
| 14      | Balint Donatella, <b>Jantschi Lorentz</b> , Comparison of Molecular Geometry Optimization Methods Based on Molecular Descriptors, <b>MATHEMATICS</b> , Eissn :2227-7390, Volume9, Issue22, Article Number2855, DOI10.3390/math9222855, <b>PublishedNOV 2021</b>   | 2          | 1    | NU                   | Jantschi Lorentz IMM/FIZCHIM | Q1                  | 4,000.0                        | 4,000                    |
| 15      | <b>Jantschi Lorentz</b> , Formulas, Algorithms and Examples for Binomial Distributed Data Confidence Interval Calculation: Excess Risk, Relative Risk and Odds Ratio, <b>MATHEMATICS</b> , Eissn :2227-7390, Volume9, Issue19, Article Number2506, DOI10.3390/math9192506, <b>PublishedOCT 2021</b>   | 1          | 1    | NU                   | Jantschi Lorentz IMM/FIZCHIM | Q1                  | 8,000.0                        | 8,000                    |
| 16      | Joita Dan-Marian, Tomescu Mihaela Aurelia, Balint Donatella, <b>Jantschi Lorentz</b> , An Application of the Eigenproblem for Biochemical Similarity, <b>SYMMETRY-BASEL</b> , eISSN:2073-8994, Volume13, Issue10 Article Number1849 DOI10.3390/sym13101849 <b>PublishedOCT 2021</b>   | 4          | 1    | NU                   | Jantschi Lorentz IMM/FIZCHIM | Q2                  | 1,500.0                        | 1,500                    |
| 17      | Tomescu Mihaela Aurelia, <b>Jantschi Lorentz</b> , Rotaru Doina Iulia, Figures of Graph Partitioning by Counting, Sequence and Layer Matrices, <b>MATHEMATICS</b> , eISSN:2227-7390, Volume9, Issue12, Article Number1419, DOI10.3390/math9121419, <b>PublishedJUN 2021</b>   | 3          | 1    | NU                   | Jantschi Lorentz IMM/FIZCHIM | Q1                  | 2,666.7                        | 2,667                    |

| Nr.crt. | ARTICOL   | Nr. Autori |      | Autori straini DA/NU | Autor UTCN depunere cerere                          | Clasificare articol | Valoare cota parte autor (Lei) | Valoare grant UTCN (Lei) |
|---------|---|------------|------|----------------------|---|---------------------|--------------------------------|--------------------------|
|         |   | TOTAL      | UTCN |                      |   |                     |                                |                          |
| 18      | <b>Berinde Zoita Marioara</b> , QSPR Models for the Molar Refraction, Polarizability and Refractive Index of Aliphatic Carboxylic Acids Using the ZEP Topological Index, <b>SYMMETRY-BASEL</b> , Volume13, Issue12, Article Number2359, DOI10.3390/sym13122359, <b>PublishedDEC 2021</b>                                      | 1          | 1    | NU                   | Berinde Zoita Marioara<br>STIINTE / CHIMIE BIOLOGIE | Q2                  | 6,000.0                        | 6,000                    |
| 19      | <b>Corches Cosmina, Daraban Mihai, Miclea Liviu</b> , Availability of an RFID Object-Identification System in IoT Environments, <b>SENSORS eISSN:1424-8220</b> , Volume21, Issue18, Article Number6220, DOI10.3390/s21186220, <b>PublishedSEP 2021</b>  | 3          | 3    | NU                   | Miclea Liviu<br>AC/AUT                              | Q1                  | 2,666.7                        | 8,000                    |
| 20      | <b>Lendek Zsofia</b> , Lauber Jimmy, Local Stabilization of Discrete-Time Nonlinear Systems, <b>IEEE TRANSACTIONS ON FUZZY SYSTEMS</b> ISSN:1063-6706, Volume30, Issue1, Page52-62, DOI10.1109/TFUZZ.2020.3031383, <b>PublishedJAN 2022</b>   | 2          | 1    | DA                   | Lendek Zsofia<br>AC/AUT                             | Q1                  | 5,000.0                        | 5,000                    |
| 21      | <b>Cosma Ovidiu, Pop Petrica C., Sitar Corina Pop</b> , A two-level based genetic algorithm for solving the soft-clustered vehicle routing problem, <b>CARPATHIAN JOURNAL OF MATHEMATICS</b> , ISSN:1584-2851, Volume38, Issue1, Page117-128, DOI10.37193/CJM.2022.01.09, <b>Published2022</b>                                | 3          | 3    | NU                   | Pop Petrica C<br>STIINTE/MATE INFO                  | Q1                  | 2,666.7                        | 8,000                    |
| 22      | <b>Czako ZoltAN, Sebestyen Gheorghe, Hangan Anca</b> , AutomaticAI-A hybrid approach for automatic artificial intelligence algorithm selection and hyperparameter tuning, <b>EXPERT SYSTEMS WITH APPLICATIONS</b> ISSN:0957-4174, Volume182, Article Number115225, DOI10.1016/j.eswa.2021.115225, <b>PublishedNOV 15 2021</b> | 3          | 3    | NU                   | Hangan Anca<br>AC/AUT                               | Q1                  | 2,666.7                        | 8,000                    |
| 23      | Dulau Marius, <b>Oniga Florin</b> , Obstacle Detection Using a Facet-Based Representation from 3-D LiDAR Measurements, <b>SENSORS eISSN:1424-8220</b> , Volume21, Issue20, Article Number6861, DOI10.3390/s21206861, <b>PublishedOCT 2021</b>   | 2          | 1    | NU                   | Oniga Florin<br>AC/CALC                             | Q1                  | 4,000.0                        | 4,000                    |

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|---------|--|------------|------|----------------------|--------------------------------|---------------------|--------------------------------|--------------------------|
|         |  | TOTAL      | UTCN |                      |                                |                     |                                |                          |
| 24      | <b>Barburiceanu Stefania, Terebes Romulus, Meza Serban</b> , 3D Texture Feature Extraction and Classification Using GLCM and LBP-Based Descriptors, <b>APPLIED SCIENCES-BASEL eISSN:2076-3417</b> , Volume11, Issue5, Article Number2332, DOI10.3390/app11052332, <b>PublishedMAR 2021</b>   | 3          | 3    | NU                   | Barburiceanu Stefania ETTI/COM | Q2                  | 2,000.0                        | 6,000                    |
| 25      | <b>Orza Bogdan, Malutan Raul, Barburiceanu Stefania, Terebes Romulus, Meza Serban</b> , Convolutional Neural Networks for Texture Feature Extraction. Applications to Leaf Disease Classification in Precision Agriculture, <b>IEEE ACCESS ISSN:2169-3536</b> , Volume9, Page160085-160103, DOI10.1109/ACCESS.2021.3131002, <b>Published2021</b>   | 5          | 5    | NU                   | Barburiceanu Stefania ETTI/COM | Q2                  | 1,200.0                        | 6,000                    |
| 26      | Babau Adriana Mihaela Chirila, <b>Micle Valer</b> , Damian Gianina Elena, <b>Sur Ioana Monica</b> , Sustainable Ecological Restoration of Sterile Dumps Using Robinia pseudoacacia, <b>SUSTAINABILITY, eISSN:2071-1050</b> , Volume13, Issue24, Article Number14021, DOI10.3390/su132414021, <b>PublishedDEC 2021</b>  | 4          | 2    | NU                   | Micle Valer IMM/IMADD          | Q2                  | 1,500.0                        | 3,000                    |
| 27      | <b>Ungureanu Stefan, Topa Vasile, Czikar Andrei Cristinel</b> , Deep Learning for Short-Term Load Forecasting-Industrial Consumer Case Study, <b>APPLIED SCIENCES-BASEL eISSN:2076-3417</b> , Volume11, Issue21, Article Number10126, DOI10.3390/app112110126, <b>PublishedNOV 2021</b>  | 3          | 3    | NU                   | Ungureanu Stefan IE/EEM        | Q2                  | 2,000.0                        | 6,000                    |
| 28      | <b>Nasui Mircea, Sonher Ramona Bianca</b> , Ware Ecaterina, <b>Daniel Andrada, Petrisor Jr Traian, Gabor Mihai Sebastian, Ciontea Lelia, Petrisor Traian</b> , Morphological and Structural Evolution of Chemically Deposited Epitaxially LaNiO3 Thin Films, <b>COATINGS, eISSN:2079-6412</b> , Volume11, Issue11, Article Number1376, DOI10.3390/coatings11111376, <b>PublishedNOV 2021</b> | 8          | 7    | DA                   | Nasui Mircea IMM/FIZCHIM       | Q2                  | 1,000.0                        | 7,000                    |

| Nr.crt. | ARTICOL   | Nr. Autori |      | Autori straini DA/NU | Autor UTCN depunere cerere     | Clasificare articol | Valoare cota parte autor (Lei) | Valoare grant UTCN (Lei) |
|---------|---|------------|------|----------------------|--------------------------------|---------------------|--------------------------------|--------------------------|
|         |   | TOTAL      | UTCN |                      |                                |                     |                                |                          |
| 29      | <b>Nasui Mircea, Sonher Ramona Bianca, Petrisor Jr Traian, Gabor Mihai Sebastian, Ciontea Lelia, Petrisor Traian</b> , Effect of glycerol on the thermal decomposition behavior of nickel propionate-based precursor, <b>JOURNAL OF ANALYTICAL AND APPLIED PYROLYSIS, ISSN:0165-2370</b> , Volume159, Article Number105289, DOI10.1016/j.jaap.2021.105289, <b>PublishedOCT 2021</b>                 | 6          | 6    | NU                   | Nasui Mircea IMM/FIZCHIM       | Q1                  | 1,333.3                        | 8,000                    |
| 30      | <b>Kilyen Nandor A.</b> , Lemnariu Rares F., <b>Moisare George D.</b> , Chen, Yaobin, Morris Brendan, <b>Muntean Ionut</b> , The IEEE ITSS and Bosch Future Mobility Challenge: A Hands-On Start to Autonomous Driving, <b>IEEE INTELLIGENT TRANSPORTATION SYSTEMS MAGAZINE, ISSN:1939-1390</b> , Volume13, Issue3, Page276-282, DOI10.1109/MITS.2021.3081939, <b>Published2021</b>                 | 6          | 3    | DA                   | MOIS GEORGE AC/AUT             | Q2                  | 1,333.3                        | 4,000                    |
| 31      | Wanas Abbas Kareem, <b>Cotirla Luminita-Ioana</b> , Initial Coefficient Estimates and Fekete-Szego Inequalities for New Families of Bi-Univalent Functions Governed by (p - q)-Wanas Operator, <b>SYMMETRY-BASEL</b> , Volume13, Issue11, Article Number2118, DOI10.3390/sym13112118, <b>PublishedNOV 2021</b>  | 2          | 1    | DA                   | Cotirla Luminita Ioana AC/MATH | Q2                  | 4,000.0                        | 4,000                    |
| 32      | <b>Cotirla Luminita-Ioana</b> , New classes of analytic and bi-univalent functions, <b>AIMS MATHEMATICS, eISSN:2473-6988</b> , Volume6, Issue10, Page10642-10651, DOI10.3934/math.2021618, <b>Published2021</b>   | 1          | 1    | NU                   | Cotirla Luminita Ioana AC/MATH | Q2                  | 6,000.0                        | 6,000                    |
| 33      | Hysa Artan, Spalevic Velibor, Dudic Branislav, Rosca Sanda, Kuriqi Alban, Bilasco Stefan, <b>Sestras Paul</b> , Utilizing the Available Open-Source Remotely Sensed Data in Assessing the Wildfire Ignition and Spread Capacities of Vegetated Surfaces in Romania, <b>REMOTE SENSING, eISSN:2072-4292</b> , Volume13, Issue14, Article Number2737, DOI10.3390/rs13142737, <b>PublishedJUL 2021</b> | 7          | 1    | DA                   | Sestras Paul CONSTR/MTC        | Q1                  | 1,428.6                        | 1,429                    |

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|---------|--|------------|------|----------------------|--------------------------------|---------------------|--------------------------------|--------------------------|
|         |  | TOTAL      | UTCN |                      |                                |                     |                                |                          |
| 34      | Dindelegan George Calin, Caziuc Alexandra, Brie Ioana, Soritau Olga, Dindelegan Maximilian George, Bintintan Vasile, <b>Pascalau Violeta</b> , Mihiu Carmen, <b>Popa Catalin</b> , Multilayered Porous Titanium-Based 3rd Generation Biomaterial Designed for Endosseous Implants, <b>MATERIALS</b> , eISSN:1996-1944, Volume14, Issue7, Article Number1727, DOI10.3390/ma14071727, <b>PublishedAPR 2021</b> | 9          | 2    | NU                   | Popa Catalin - IMM/SIM         | Q1                  | 888.9                          | 1,778                    |
| 35      | Jiman Paula Argentina, Prodan Doina, Moldovan Marioara, Muntean Alexandrina, Sarosi Codruta, Tarmure Viorica, Baciut Grigore, <b>Popa Catalin</b> , Pop Andreea Simona, New and Recovered Temporary Anchorage Devices, In Vitro Assessment of Structural and Surface Properties, <b>MATERIALS</b> , eISSN:1996-1944, Volume14, Issue21, Article Number6271, DOI10.3390/ma14216271, <b>PublishedNOV 2021</b>  | 9          | 1    | NU                   | Popa Catalin MM/SIM            | Q1                  | 888.9                          | 889                      |
| 36      | Cuc Stanca, Burde Alexandru, <b>Cosma Cosmin</b> , <b>Leordean Dan</b> , Rusu Mircea, <b>Balc Nicolae</b> , Prodan Doina, Moldovan Marioara, Ene Razvan, Adhesion between Biocomposites and Different Metallic Structures Additive Manufactured, <b>COATINGS</b> eISSN:2079-6412, Volume11, Issue4, Article Number483, DOI10.3390/coatings11040483, <b>PublishedAPR 2021</b>                                 | 9          | 3    | NU                   | Leordean Dan IIRMP/IF          | Q2                  | 666.7                          | 2,000                    |
| 37      | <b>Purcar Cristina</b> , A Tale of Two Lines: "The Transylvanian" and "The Imperial": Mapping Territorial Integration through Railway Architecture, <b>SOCIAL SCIENCE HISTORY</b> ISSN:0145-5532, Volume45, Issue2, Page317-339, Special IssueSI, Article NumberPII S014555322100002X, DOI10.1017/ssh.2021.2, <b>Published2021</b>   | 1          | 1    | NU                   | Purcar Cristina ARH SI URB/ARH | Q2                  | 6,000.0                        | 6,000                    |
| 38      | <b>Ciceo Sebastian</b> , Chauvicourt Fabien, Gyselinck Johan, <b>Martis Claudia</b> , PMSM Current Shaping for Minimum Joule Losses While Reducing Torque Ripple and Vibrations, <b>IEEE ACCESS</b> , ISSN:2169-3536, Volume9, Page114705-114714, DOI10.1109/ACCESS.2021.3104859, <b>Published2021</b>   | 4          | 2    | DA                   | Martis Claudia IE/MAE          | Q2                  | 2,000.0                        | 4,000                    |



| Nr.crt. | ARTICOL  | Nr. Autori |      | Autori straini DA/NU | Autor UTCN depunere cerere | Clasificare articol | Valoare cota parte autor (Lei) | Valoare grant UTCN (Lei) |
|---------|--|------------|------|----------------------|----------------------------|---------------------|--------------------------------|--------------------------|
|         |  | TOTAL      | UTCN |                      |                            |                     |                                |                          |
| 39      | Bucur Vlad, <b>Miclea Liviu-Cristian</b> , Multi-Cloud Resource Management Techniques for Cyber-Physical Systems, <b>SENSORS, eISSN:1424-8220</b> , Volume21, Issue24, Article Number8364, DOI10.3390/s21248364, <b>PublishedDEC 2021</b>  | 2          | 1    | NU                   | Miclea Liviu AC/AUT        | Q1                  | 4,000.0                        | 4,000                    |
| 40      | <b>Lapusan Ciprian, Hancu Olimpiu, Rad Ciprian</b> , Shape Sensing of Hyper-Redundant Robots Using an AHRS IMU Sensor Network, <b>SENSORS, eISSN:1424-8220</b> , Volume22, Issue1, Article Number373, DOI10.3390/s22010373, <b>PublishedJAN 2022</b>   | 3          | 3    | NU                   | Lapusan Ciprian ARMM/MDM   | Q1                  | 2,666.7                        | 8,000                    |
| 41      | Uriciuc Willi Andrei, <b>Vermesan Horatiu, Tiuc Ancuta Elena</b> , Ilea Aranka, Bosca Adina Bianca, <b>Popa Catalin Ovidiu</b> , Casting over Metal Method Used in Manufacturing Hybrid Cobalt-Chromium Dental Prosthetic Frameworks Assembles, <b>MATERIALS, eISSN:1996-1944</b> , Volume14, Issue3, Article Number539, DOI10.3390/ma14030539, <b>PublishedFEB 2021</b>   | 6          | 3    | NU                   | Popa Catalin IMM/SIM       | Q1                  | 1,333.3                        | 4,000                    |
| 42      | Chicinas, H. F.; <b>Jucan, D. O.</b> ; Gadalean, R. V.; Contiu, G.; <b>Marinca, T. F.</b> ; Goetze, P.; Eckert, A.; <b>Popa, C. O.</b> , Influence of milling media on the properties of some hard metal powders, <b>INTERNATIONAL JOURNAL OF REFRACTORY METALS &amp; HARD MATERIALS, ISSN:0263-4368</b> Volume96, Article Number105470, DOI10.1016/j.ijrmhm.2021.105470, <b>PublishedAPR 2021</b>                         | 8          | 3    | NU                   | Popa Catalin IMM/SIM       | Q1                  | 1,000.0                        | 3,000                    |
| 43      | <b>Jucan, O. D.</b> ; Gadalean, R., V; Chicinas, H. F.; Hering, M.; <b>Balc, N.</b> ; <b>Popa, C. O.</b> , Study on the indirect selective laser sintering (SLS) of WC-Co/PA12 powders for the manufacturing of cemented carbide parts, <b>INTERNATIONAL JOURNAL OF REFRACTORY METALS &amp; HARD MATERIALS, ISSN:0263-4368</b> , Volume96, Article Number105498, DOI10.1016/j.ijrmhm.2021.105498, <b>PublishedAPR 2021</b> | 6          | 3    | NU                   | Popa Catalin IMM/SIM       | Q1                  | 1,333.3                        | 4,000                    |

| Nr.crt. | ARTICOL  | Nr. Autori |      | Autori straini DA/NU | Autor UTCN depunere cerere                 | Clasificare articol | Valoare cota parte autor (Lei) | Valoare grant UTCN (Lei) |
|---------|--|------------|------|----------------------|--|---------------------|--------------------------------|--------------------------|
|         |  | TOTAL      | UTCN |                      |  |                     |                                |                          |
| 44      | <b>Raia Maria Raluca, Ruba Mircea, Nemes Raul Octavian, Martis Claudia</b> , Artificial Neural Network and Data Dimensionality Reduction Based on Machine Learning Methods for PMSM Model Order Reduction, <b>IEEE ACCESS</b> ISSN:2169-3536,Volume9,Page102345-102354, DOI10.1109/ACCESS.2021.3095668, <b>Published2021</b>   | 4          | 4    | NU                   | RUBA MIRCEA IE/MAE                         | Q2                  | 1,500.0                        | 6,000                    |
| 45      | Li Yanlin, <b>Piscoran Laurian-Ioan</b> , Ali Akram, Alkhaldi Ali H, Null Homology Groups and Stable Currents in Warped Product Submanifolds of Euclidean Spaces, <b>SYMMETRY-BASEL</b> , eISSN:2073-8994, Volume13, Issue9, Article Number1587, DOI10.3390/sym13091587, <b>PublishedSEP 2021</b>  | 4          | 1    | DA                   | Piscoran Laurian-Ioan STIINTE/ MATE - INFO | Q2                  | 2,000.0                        | 2,000                    |
| 46      | Kesa, Ancuta-Liliana ; Pop, Carmen Rodica ; Mudura, Elena,;Salanta, Liana Claudia ; Pasqualone, Antonella ; <b>Darab, Cosmin</b> ; Burja-Udrea, Cristina; Zhao, Haifeng; Coldea, Teodora Emilia;Strategies to Improve the Potential Functionality of Fruit-Based Fermented Beverages, <b>PLANTS-BASEL</b> , eISSN:2223-7747, Volume10, Issue11,Article Number2263, DOI10.3390/plants10112263, <b>PublishedNOV 2021</b> | 9          | 1    | DA                   | Darab Cosmin IE/ EEM                       | Q1                  | 1,111.1                        | 1,111                    |
| 47      | <b>Brehar, Raluca Didona; Muresan, Mircea Paul ; Marita, Tiberiu ;Vancea, Cristian-Cosmin ;Negru, Mihai; Nedevschi, Sergiu</b> ; Pedestrian Street-Cross Action Recognition in Monocular Far Infrared Sequences, <b>IEEE ACCESS</b> , ISSN:2169-3536, Volume9, Page74302-74324, DOI10.1109/ACCESS.2021.3080822, <b>Published2021</b>   | 6          | 6    | NU                   | Brehar Raluca Didona AC/CALC               | Q2                  | 1,000.0                        | 6,000                    |
| 48      | Crisan, Diana; Irimia, Alexandru; <b>Gota, Dan; Miclea, Liviu; Puscasiu, Adela; Stan, Ovidiu; Valean, Honoriu</b> , Analyzing Benford's Law's Powerful Applications in Image Forensics, <b>APPLIED SCIENCES-BASEL</b> , eISSN:2076-3417, Volume11, Issue23, Article Number11482,DOI10.3390/app112311482, <b>PublishedDEC 2021</b>  | 7          | 5    | NU                   | GOTA DAN AC/AUT                            | Q2                  | 857.1                          | 4,286                    |

| Nr.crt. | ARTICOL   | Nr. Autori |      | Autori straini DA/NU | Autor UTCN depunere cerere | Clasificare articol | Valoare cota parte autor (Lei) | Valoare grant UTCN (Lei) |
|---------|---|------------|------|----------------------|----------------------------|---------------------|--------------------------------|--------------------------|
|         |   | TOTAL      | UTCN |                      |                            |                     |                                |                          |
| 49      | Berville Charles, <b>Bode Florin</b> , Croitoru Cristiana, Numerical Simulation Investigation of a Double Skin Transpired Solar Air Collector, <b>APPLIED SCIENCES-BASEL, eISSN:2076-3417</b> , Volume12, Issue1, Article Number520, DOI10.3390/app12010520, <b>PublishedJAN 2022</b>   | 3          | 1    | NU                   | Bode Florin ARMM/IM        | Q2                  | 2,000.0                        | 2,000                    |
| 50      | <b>Muresan Mircea Paul, Nedevschi Sergiu, Danescu Radu</b> , Robust Data Association Using Fusion of Data-Driven and Engineered Features for Real-Time Pedestrian Tracking in Thermal Images, <b>SENSORS eISSN:1424-8220</b> , Volume21, Issue23, Article Number8005, DOI10.3390/s21238005, <b>PublishedDEC 2021</b>  | 3          | 3    | NU                   | Danescu Radu AC/CALC       | Q1                  | 2,666.7                        | 8,000                    |
| 51      | Stoica Anda, Kadar Tibor, <b>Lemnaru Camelia, Potolea Rodica, Dinsoreanu Mihaela</b> , Intent Detection and Slot Filling with Capsule Net Architectures for a Romanian Home Assistant, <b>SENSORS, eISSN: 1424-8220</b> Volume21, Issue4, Article Number1230, DOI10.3390/s21041230, <b>PublishedFEB 2021</b>  | 5          | 3    | NU                   | Potolea Rodica AC/CALC     | Q1                  | 1,600.0                        | 4,800                    |
| 52      | Calborean, Adrian; Macavei, Sergiu; Mocan, Mihaela; Ciuce, Catalin; Bintintan, Adriana; Cordos, Adrian; Pestean, Cosmin; Chira, Romeo; Zarbo, Liviu; Barbu-Tudoran, Lucian; Dindelegan, George; Nickel, Felix; <b>Mocan, Bogdan</b> ; Surlin, Valeriu; Bintintan, Vasile; Non-invasive laparoscopic detection of small tumors of the digestive tract using inductive sensors of proximity, <b>SCIENTIFIC REPORTS, ISSN :2045-2322</b> , Volume12, Issue1, Article Number760, DOI10.1038/s41598-022-04822-x, <b>PublishedJAN 14 2022</b> | 15         | 1    | DA                   | MOCAN BOGDAN IIRMP/IPR     | Q1                  | 666.7                          | 667                      |

| Nr.crt. | ARTICOL   | Nr. Autori |      | Autori straini DA/NU | Autor UTCN depunere cerere      | Clasificare articol | Valoare cota parte autor (Lei) | Valoare grant UTCN (Lei) |
|---------|---|------------|------|----------------------|---------------------------------|---------------------|--------------------------------|--------------------------|
|         |   | TOTAL      | UTCN |                      |                                 |                     |                                |                          |
| 53      | <b>Marginean, Anca Nicoleta</b> ; Muntean, Delia Doris; Muntean, George Adrian; Priscu, Adelina; <b>Groza, Adrian; Slavescu, Radu Razvan, Timbus, Calin Lucian</b> ; Munteanu, Gabriel Zeno; Morosanu, Cezar Octavian; Cosnarovici, Maria Margareta; <b>Pintea, Camelia-M.</b> , Reliable Learning with PDE-Based CNNs and DenseNets for Detecting COVID-19, Pneumonia, and Tuberculosis from Chest X-Ray Images, <b>MATHEMATICS, eISSN :2227-7390</b> , Volume9, Issue4, Article Number434, DOI10.3390/math9040434, <b>PublishedFEB 2021</b> | 11         | 5    | DA                   | Marginean Anca Nicoleta AC/CALC | Q1                  | 909.1                          | 4,545                    |
| 54      | <b>Stan Ioan</b> , Suci Vasile, <b>Potolea Rodica</b> , Scalable Data Model for Traffic Congestion Avoidance in a Vehicle to Cloud Infrastructure, <b>SENSORS, eISSN : 1424-8220</b> , Volume21, Issue15, Article Number5074,DOI10.3390/s21155074, <b>PublishedAUG 2021</b>   | 3          | 2    | NU                   | POTOLEA RODICA AC/ CALC         | Q1                  | 2,666.7                        | 5,333                    |
| 55      | <b>Marian Daniela, Ciplea Sorina Anamaria, Lungu Nicolaie</b> , Hyers-Ulam Stability of Euler's Equation in the Calculus of Variations, <b>MATHEMATICS, eISSN: 2227-7390</b> , Volume9, Issue24, Article Number3320, DOI10.3390/math9243320, <b>PublishedDEC 2021</b>   | 3          | 3    | NU                   | MARIAN DANIELA AC/MATH          | Q1                  | 2,666.7                        | 8,000                    |
| 56      | <b>Marian Daniela</b> , Laplace Transform and Semi-Hyers-Ulam-Rassias Stability of Some Delay Differential Equations, <b>MATHEMATICS, eISSN: 2227-7390</b> , Volume9, Issue24, Article Number3260, DOI10.3390/math9243260, <b>PublishedDEC 2021</b>   | 1          | 1    | NU                   | MARIAN DANIELA AC/MATH          | Q1                  | 8,000.0                        | 8,000                    |
| 57      | <b>Marian Daniela</b> , Semi-Hyers-Ulam-Rassias Stability of the Convection Partial Differential Equation via Laplace Transform, <b>MATHEMATICS, eISSN: 2227-7390</b> , Volume9, Issue22, Article Number2980, DOI10.3390/math9222980, <b>PublishedNOV 2021</b>  | 1          | 1    | NU                   | MARIAN DANIELA AC/MATH          | Q1                  | 8,000.0                        | 8,000                    |
| 58      | <b>Marian Daniela, Inoan Daniela</b> , Semi-Hyers-Ulam-Rassias Stability of a Volterra Integro-Differential Equation of Order I with a Convolution Type Kernel via Laplace Transform, <b>SYMMETRY-BASEL, eISSN: 2073-8994</b> , Volume13, Issue11, Article Number2181, DOI10.3390/sym13112181, <b>PublishedNOV 2021</b>   | 2          | 2    | NU                   | MARIAN DANIELA AC/MATH          | Q2                  | 3,000.0                        | 6,000                    |

| Nr.crt.            | ARTICOL   | Nr. Autori |      | Autori straini DA/NU | Autor UTCN depunere cerere                       | Clasificare articol | Valoare cota parte autor (Lei) | Valoare grant UTCN (Lei) |
|--------------------|---|------------|------|----------------------|--|---------------------|--------------------------------|--------------------------|
|                    |   | TOTAL      | UTCN |                      |  |                     |                                |                          |
| 59                 | Crisan Gloria Cerasela, <b>Pintea Camelia-M</b> , Calinescu Anisoara, <b>Sitar Corina Pop, Pop PetricA C.</b> , Secure traveling salesman problem with intelligent transport systems features, <b>LOGIC JOURNAL OF THE IGPL, ISSN: 1367-0751</b> , Volume29, Issue6, Page925-935, DOI10.1093/jigpal/jzaa035<br><b>PublishedDEC 2021</b>   | 5          | 3    | DA                   | Pop Petrica C<br>STIINTE/MATE<br>INFO            | Q1                  | 2,000.0                        | 6,000                    |
| 60                 | Bogdan, Alexandra; <b>Szolga Lorant</b> ; Giurgi, Gavril-Ionel; Crisan, Andreea Petronela; Bogdan, Diana; Hadsadee, Sarinya; Jungsuttiwong, Siriporn; Po, Riccardo; Grosu, Ion; Roncali, Jean; Structure-properties relationships in triarylamine-based push-pull systems-C-60 dyads as active material for single-material organic solar cells, <b>DYES AND PIGMENTS, ISSN: 0143-7208</b> , Volume184, Article Number108845, DOI10.1016/j.dyepig.2020.108845<br><b>PublishedJAN 2021</b> | 10         | 1    | DA                   | Szolga Lorant<br>ETTI/BE                         | Q1                  | 1,000.0                        | 1,000                    |
| 61                 | Li Yanlin, <b>Piscoran Laurian-loan</b> , Ali Akram, Alkhaldi Ali H, On the Topology of Warped Product Pointwise Semi-Slant Submanifolds with Positive Curvature, <b>MATHEMATICS, eISSN: 2227-7390</b> , Volume9, Issue24, Article Number3156, DOI10.3390/math9243156, <b>PublishedDEC 2021</b>   | 4          | 1    | DA                   | Piscoran Laurian-loan<br>STIINTE/ MATE -<br>INFO | Q1                  | 2,500.0                        | 2,500                    |
| <b>TOTAL (LEI)</b> |   |            |      |                      |  |                     |                                | <b>285,411</b>           |