

**GRANTURI SUPTOR ARTICOLE - PUBLICATII**  
**LISTA ARTICOLE IN REVISTE INDEXATE WEB OF SCIENCE (ISI) CU FACTOR DE IMPACT (FI)**  
**APROBAT IN CA din 26.07.2018**

| Nr.crt. | ARTICOL   | Autor UTCN<br>depunere cerere                                      | Clasificare<br>articol | Cota parte<br>autor | Valoare grant UTCN     |
|---------|---|--|------------------------|---------------------|------------------------|
| 1       | <b>Rada S., Zagrai M.,</b> Rada M., Magerusan L., Popa A., Suciu C.R., <b>Macavei S.,</b> Suciu M., <i>Structure, electrochemical characterization and the role of copper oxide in lead-lead dioxide glasses and vitroceraamics</i> , JOURNAL OF NON-CRYSTALLINE SOLIDS, (ISSN: 0022-3093), Volum: 491, pp. 55-63, DOI: 10.1016/j.jnoncrysol.2018.04.001 , Published: 1 JUL 2018    | Rada Simona<br>Fac.IMM   | Q1                     | 812,50              | 3*812,50 = 2.437 lei   |
| 2       | <b>Pop Sitar P., Szabo C.,</b> Biesinger B., Hu B., Raid G., <i>Solving the two-stage fixed-charge transportation problem with a hybrid genetic algorithm</i> , CARPATHIAN JOURNAL OF MATHEMATICS , (ISSN: 1584-2851), Volum: 33, pp.365-371, Published:2017  | Pop Sitar Petrica<br>Fac.STIINTE, Centrul<br>Universitar Baia-Mare | Q2                     | 900,00              | 2*900,00 = 1.800 lei   |
| 3       | <b>Nasaireh F., Rasa I.,</b> <i>ANOTHER LOOK AT VORONOVSKAJA TYPE FORMULAS</i> , JOURNAL OF MATHEMATICAL INEQUALITIES, (ISSN: 1846-579X), Volum: 12, pp.95-105, DOI: 10.7153/jmi-2018-12-07 , Published:MAR 2018  | Rasa Ioan<br>Fac AC  | Q2                     | 2.250,00            | 2*2.250,00 = 4.500 lei |
| 4       | <b>Neamtu B.V., Nasui M., Marinca T.F., Popa F.,Chicinas I.,</b> <i>Soft magnetic composites based on hybrid coated Fe-Si nanocrystalline powders</i> , SURFACE & COATINGS TECHNOLOGY, (ISSN: 0257-8972), Volum: 330, pp. 219-227, DOI: 10.1016/j.surfcoat.2017.09.088, Published: 1 DEC 2017   | Neamtu Bogdan Viorel Fac.<br>IMM                                   | Q1                     | 1.300,00            | 5*1.300,00 = 6.500 lei |
| 5       | Naseri N., <b>Talu S.</b> Kulesza S., Qarechaloo S., Achour A., Bramowicz B., Ghaderi A., Solaymani S., <i>How morphological surface parameters are correlated with electrocatalytic performance of cobalt-based nanostructures</i> , JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, (ISSN: 1226-086X), Volum: 57, pp.97-103, DOI: 10.1016/j.jiec.2017.08.012, Published:JAN 2018 | Talu Stefan<br>DMCDI   | Q1                     | 812,50              | 1*812,50 = 812 lei     |

| Nr.crt. | ARTICOL   | Autor UTCN<br>depunere cerere       | Clasificare<br>articol | Cota parte<br>autor | Valoare grant UTCN     |
|---------|---|-------------------------------------|------------------------|---------------------|------------------------|
| 6       | <b>Talu S.</b> , Kulesza S., Bramowicz B., Pringle A.M., Pearce J.M., Marikkan M., Vishnukanthan V., Mayandi J., <i>Micromorphology analysis of sputtered indium tin oxide fabricated with variable ambient combinations</i> , MATERIALS LETTERS, (ISSN: 0167-577X), Volum: 220, pp.169-171, DOI: 10.1016/j.matlet.2018.03.005, Published: 1 JUN 2018                         | Talu Stefan<br>DMCDI                | Q2                     | 562,50              | 1*562,50 = 562 lei     |
| 7       | <b>Talu S.</b> , Bramowicz B., Kulesza S., Solaymani S., <i>Topographic characterization of thin film field-effect transistors of 2,6-diphenyl anthracene (DPA) by fractal and AFM analysis</i> , MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, (ISSN: 1369-8001), Volum: 79, pp.144-152, DOI: 10.1016/j.mssp.2018.02.008, Published: 1 JUN 2018                             | Talu Stefan<br>DMCDI                | Q2                     | 1.125,00            | 1*1.125,00 = 1.125 lei |
| 8       | Kumar A., Vlach T., <b>Chira A.</b> , Laiblova L., Skapin A.S., Tywoniak J., Hajek P., <i>Nanocoating on alkali-resistant glass fibers by octadecyltrichlorosilane to improve the mechanical strength of fibers and fibers/epoxy composites</i> , TEXTILE RESEARCH JOURNAL, (ISSN: 0040-5175), Volum: 88, pp.1038-1046, DOI: 10.1177/0040517517693977, Published: MAY 2018    | Chira Alexandru<br>Fac. Constructii | Q1                     | 928,57              | 1*928,57 = 929 lei     |
| 9       | <b>Gavrea I., Ivan M.</b> , <i>Complete asymptotic expansions related to conjecture on a Voronovskaja-type theorem</i> , JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, (ISSN: 0022-247X), Volum: 458, pp.452-463, DOI: 10.1016/j.jmaa.2017.09.011, Published: 1 FEB 2018   | Ivan Mircea<br>Fac.AC               | Q1                     | 3.250,00            | 2*3.250,00 = 6.500 lei |
| 10      | <b>Gavrea I., Ivan M.</b> , <i>A note on the fixed points of positive linear operators</i> , JOURNAL OF APPROXIMATION THEORY, (ISSN: 0021-9045), Volum: 227, pp.27-36, DOI: 10.1016/j.jat.2017.12.001, Published: MAR 2018  | Ivan Mircea<br>Fac.AC               | Q1                     | 3.250,00            | 2*3.250,00 = 6.500 lei |
| 11      | Almeida J.P., <b>Prodan O.</b> , Tarquini D., Beyer K., <i>Influence of Lap Splices on the Deformation Capacity of RC Walls. I: Database Assembly, Recent Experimental Data, and Findings for Model Development</i> , JOURNAL OF STRUCTURAL ENGINEERING, (ISSN: 0733-9445), Volum: 143, numar articol: 04017156, DOI: 10.1061/(ASCE)ST.1943-541X.0001853, Published: DEC 2017 | Prodan Ovidiu<br>Fac. Constructii   | Q2                     | 1.125,00            | 1*1.125,00 = 1.125 lei |

| Nr.crt. | ARTICOL  | Autor UTCN<br>depunere cerere                                    | Clasificare<br>articol | Cota parte<br>autor | Valoare grant UTCN     |
|---------|--|--|------------------------|---------------------|------------------------|
| 12      | De Keyser R., <b>Muresan C.I.</b> , Ionescu C.M., <i>An efficient algorithm for low-order direct discrete-time implementation of fractional order transfer functions</i> , ISA TRANSACTIONS, (ISSN: 0019-0578), Volum: 74, pp.229-238, DOI: 10.1016/j.isatra.2018.01.026, Published:MAR 2018                                       | Muresan Cristina Ioana<br>Fac. AC                                | Q1                     | 2.166,67            | 1*2.166,67 = 2.167 lei |
| 13      | <b>Prica V.C., Neamtu B.V., Popa F., Marinca T.F., Sechel N., Chicinas I.</b> , <i>Invar-type nanocrystalline compacts obtained by spark plasma sintering from mechanically alloyed powders</i> , JOURNAL OF MATERIALS SCIENCE, (ISBN 0022-2461), Volum:53, pp. 3735-3743, DOI: 10.1007/s10853-017-1771-5, Published:MAR 2018      | Prica Virgiliu-Calin<br>Fac. IMM                                 | Q2                     | 750,00              | 6*750,00 = 4.500 lei   |
| 14      | <b>Popa F., Chicinas I.</b> , Isnard O., <i>AlSb intermetallic semiconductor compound formation by solid state reaction after partial amorphization induced by mechanical alloying</i> , INTERMETALLICS, (ISSN: 0966-9795), Volum: 93, pp.371-376, DOI: 10.1016/j.intermet.2017.11.002, Published:FEB 2018                         | Popa Florin<br>Fac. IMM  | Q1                     | 2166,67             | 2*2.166,67 = 4.333 lei |
| 15      | <b>Gavrea I., Ivan M.</b> , <i>An Elementary Function Representation of the Second-Order Moment of the Meyer-Konig and Zeller Operators</i> , MEDITERRANEAN JOURNAL OF MATHEMATICS, (ISSN: 1660-5446), Volum: 15, Nr articol: UNSP 20, DOI: 10.1007/s00009-018-1066-3, Published:FEB 2018  | Ivan Mircea<br>Fac. AC   | Q2                     | 2.250,00            | 2*2.250,00 = 4.500 lei |
| 16      | <b>Chicinas H.F., Marinca T.F.</b> , Gotze P., Eckert A., <b>Popa C.O.</b> , <i>Influence of aqueous milling duration on the sintered WC-10Co hard metal powders</i> , JOURNAL OF MATERIALS SCIENCE, (ISSN: 0022-2461), Volum: 53, Nr.4, pp. 2901-2910, DOI: 10.1007/s10853-017-1701-6, Published:FEB 2018                         | Popa Catalin<br>Fac. IMM   | Q2                     | 900,00              | 3*900,00 = 2.700 lei   |
| 17      | <b>Dippong T.</b> , Cadar O., Levei E.A., Deac I.G., Borodi G., <i>Formation of CoFe2O4/PVA-SiO2 nanocomposites: Effect of diol chain length on the structure and magnetic properties</i> , CERAMICS INTERNATIONAL, (ISSN 0272-8842), Volum: 44, Nr.6, pp.10478-10485, DOI: 10.1016/j.ceramint.2018.03.065, Published: 15 JUN 2018 | Dippong Thomas<br>Fac. STIINTE, Centrul<br>Universitar Baia-Mare | Q1                     | 1.300,00            | 1*1.300,00 = 1.300 lei |

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|---------|---|----------------------------------|------------------------|---------------------|------------------------|
| 18      | <b>Mitrea A.I.</b> , <i>On the dense unbounded divergence of interpolatory product integration on Jacobi nodes</i> , CALCOLO, (ISSN: 0008-0624), Volum:15, Nr.articol: UNSP 10, DOI: 10.1007/s10092-018-0253-8, Published:MAR 2018  | Mitrea Alexandru Ioan<br>Fac. AC | Q1                     | 6.500,00            | 1*6.500,00 = 6.500 lei |
| 19      | <b>Busoniu L.</b> , Pall E., Munos R., <i>Continuous-action planning for discounted infinite-horizon nonlinear optimal control with Lipschitz values</i> , AUTOMATICA, (ISSN: 0005-1098), Volum: 92, pp.100-108, DOI: 10.1016/j.automatica.2018.03.009, Published:JUN 2018  | Busoniu Lucian<br>Fac. AC        | Q1                     | 2.166,67            | 1*2.166,67 = 2.167 lei |
| 20      | Zhou D., Nguyen T.T., <b>Breaz E.</b> , Zhao D., Clenet S., Gao F., <i>Global parameters sensitivity analysis and development of a two-dimensional real-time model of proton-exchange-membrane fuel cells</i> , ENERGY CONVERSION AND MANAGEMENT, (ISSN: 0196-8904), Volum: 162, pp.276-292, DOI: 10.1016/j.enconman.2018.02.036, Published: 15 APR 2018  | Breaz Elena<br>Fac. IE           | Q1                     | 1.083,33            | 1*1.083,33 = 1.083 lei |
| 21      | Zhou D., Gao F., <b>Breaz E.</b> , Ravey A., Miraoui A., <i>Tridiagonal Matrix Algorithm for Real-Time Simulation of a Two-Dimensional PEM Fuel Cell Model</i> , IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, (ISSN: 0278-0046), Volum: 65, pp.7106-7118, DOI: 10.1109/TIE.2017.2787598, Published:SEP 2018   | Breaz Elena<br>Fac. IE           | Q1                     | 1.300,00            | 1*1.300,00 = 1.300 lei |
| 22      | <b>Ruba M.</b> , <b>Jurca F.</b> , <b>Czumbil L.</b> , <b>Micu D.D.</b> , <b>Martis C.</b> , Polycarpou A., Rizzo R., <i>Synchronous reluctance machine geometry optimisation through a genetic algorithm based technique</i> , IET ELECTRIC POWER APPLICATIONS, (ISSN: 1751-8660), DOI: 10.1049/iet-epa.2017.0455, Published:MAR 2018  | Ruba Mircea<br>Fac. IE           | Q2                     | 642,85              | 5*642,85 = 3.214 lei   |
| 23      | <b>Pascalau V.</b> , Dintelegan G., Dirzu N., <b>Salantiu A-M</b> , <b>Pavel C.</b> , <b>Dudescu M.C.</b> , <b>Popa F.</b> , Borodi G., Tabaran F., Iuga C.A., <b>Popa C.</b> , <i>Bioactive Ti-base biomaterial with sustained anti-bacterial response for endosseous applications</i> , REACTIVE & FUNCTIONAL POLYMERS, (ISSN: 1381-5148), Volum: 125, pp.37-46, DOI: 10.1016/j.reactfunctpolym.2018.02.007, Published:APR 2018 | Popa Catalin<br>Fac. IMM         | Q1                     | 590,91              | 6*590,91 = 3.545 lei   |

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|---------|---|----------------------------------|------------------------|---------------------|------------------------|
| 24      | Pop I., Sheremet M., <b>Cimpean D.S.</b> , <i>Natural convection in a partially heated wavy cavity filled with a nanofluid using Buongiorno's nanofluid model</i> , INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT & FLUID FLOW , (ISSN: 0961-5539), Volum: 27, pp.924-940, DOI: 10.1108/HFF-12-2015-0529, Published:2017            | Cimpean Delia Sabina<br>Fac. AC  | Q2                     | 1.500,00            | 1*1.500,00 = 1.500 lei |
| 25      | Sheremet M., <b>Cimpean D.S.</b> , Pop I., <i>Free convection in a partially heated wavy porous cavity filled with a nanofluid under the effects of Brownian diffusion and thermophoresis</i> , APPLIED THERMAL ENGINEERING, (ISSN: 1359-4311), Volum: 113, pp.413-418, DOI: 10.1016/j.applthermaleng.2016.11.033, Published: 25 FEB 2017 | Cimpean Delia Sabina<br>Fac. AC  | Q1                     | 2.166,67            | 1*2.166,67 = 2.167 lei |
| 26      | <b>Galatus R., Farago P.</b> , Miluski P., Valles J.A., <i>Distributed fluorescent optical fiber proximity sensor Towards a proof of concept</i> , SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, (ISSN: 1386-1425), Volum: 198, pp.7-18, DOI: 10.1016/j.saa.2018.02.044, Published: 5 JUN 2018                      | Galatus Ramona<br>Fac. ETTI      | Q2                     | 1.125,00            | 2*1.125,00 = 2.250 lei |
| 27      | <b>Tosa C.</b> , Sato H., Morikawa T., Miwa T., <i>Commuting behavior in emerging urban areas: Findings of a revealed preferences and stated-intentions survey in Cluj-Napoca, Romania</i> , JOURNAL OF TRANSPORT GEOGRAPHY, (ISSN: 0966-6923), Volum: 68, pp.78-93, DOI: 10.1016/j.jtrangeo.2018.02.011, Published:APR 2018              | Tosa Ciprian<br>Fac. Constructii | Q1                     | 1.625,00            | 1*1.625,00 = 1.625 lei |
| 28      | Ma R., Gao F., <b>Brez E.</b> , Huangfu Y., Briois P., <i>Multidimensional Reversible Solid Oxide Fuel Cell Modeling for Embedded Applications</i> , IEEE TRANSACTIONS ON ENERGY CONVERSION, (ISSN: 0885-8969), Volum: 33, pp.692-701, DOI: 10.1109/TEC.2017.2762962, Published:JUN 2018  | Brez Elena<br>Fac. IE            | Q1                     | 1.300,00            | 1*1.300,00 = 1.300 lei |
| 29      | <b>Pop O.G., Fehete L., Bode F., Abrudan A.C., Balan M.C.</b> , <i>Energy efficiency of PCM integrated in fresh air cooling systems in different climatic conditions</i> , APPLIED ENERGY, (ISSN: 0306-2619), Volum: 212, pp.976-996, DOI: 10.1016/j.apenergy.2017.12.122, Published: 15 FEB 2018   | Balan Mugur<br>Fac. Mecanica     | Q1                     | 1.300,00            | 5*1.300,00 = 6.500 lei |

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|---------|--|---|------------------------|---------------------|------------------------|
| 30      | <b>Peter I.R.</b> , <i>A Bound of the Finslerian Ricci Scalar</i> , MEDITERRANEAN JOURNAL OF MATHEMATICS, (ISSN: 1660-5446), Volum: 15, Numar articol: 143, DOI: 10.1007/s00009-018-1180-2, Published:JUN 2018   | Peter Ioan Radu<br>Fac. AC                                  | Q1                     | 6.500,00            | 1*6.500,00 = 6.500 lei |
| 31      | Boldrin D., Mihai A.P., Zou B., Zemen J., Thompson R., Ware E., <b>Neamtu B.V.</b> , hivelder L., Esser B., McComb D.W., Petrov P., <i>Giant Piezomagnetism in Mn3NiN</i> , ACS APPLIED MATERIALS & INTERFACES, (ISSN: 1944-8244), Volum: 10, pp.18863-18868, DOI: 10.1021/acsami.8b03112, Published: 6 JUN 2018   | Neamtu Bogdan<br>Fac. IMM                                   | Q1                     | 541,66              | 1*541,66 = 542 lei     |
| 32      | <b>Holhos A.</b> , <i>Quantitative Estimates of Voronovskaya Type in Weighted Spaces</i> , RESULTS IN MATHEMATICS, (ISSN: 1422-6383), Volum: 73, Numar articol: UNSP 53 , DOI: 10.1007/s00025-018-0814-9, Published:JUN 2018   | Holhos Adrian<br>Fac. AC                                    | Q2                     | 4.500,00            | 1*4.500,00 = 4.500 lei |
| 33      | <b>Antal M., Cioara T., Anghel I., Pop C., Salomie I.</b> , <i>Transforming Data Centers in Active Thermal Energy Players in Nearby Neighborhoods</i> , SUSTAINABILITY, (ISSN: 2071-1050), Volum: 10, Nr.articol: 939, DOI: 10.3390/su10040939, Published:APR 2018   | Anghel Ionut<br>Fac. AC                                     | Q2                     | 900,00              | 5*900,00 = 4.500 lei   |
| 34      | <b>Berinde V.</b> , Maruster S., Rus I.A., <i>Saturated Contraction Principles for Non Self Operators, Generalizations and Applications</i> , FILOMAT , ISSN: 0354-5180, Volum 31, pp.3391-3406, DOI: 10.2298/FIL1711391B, Published:2017  | Berinde Vasile<br>Fac. STIINTE Centrul de<br>Nord Baia Mare | Q2                     | 1.500,00            | 1*1.500,00 = 1.500 lei |
| 35      | Belmeguenai M., <b>Gabor M.S.</b> , Zighem F., Challab N., <b>Petrisor T.Jr., Mos R.B., Tiusan C.</b> , <i>Ferromagnetic-resonance-induced spin pumping in Co20Fe60B20/Pt systems: damping investigation</i> , JOURNAL OF PHYSICS D-APPLIED PHYSICS, (ISSN: 0022-3727), Volum: 51, Nr.articol: 045002, DOI: 10.1088/1361-6463/aa9f55, Published: 31 JAN 2018 | Gabor Mihai<br>Fac. IMM                                     | Q2                     | 642,86              | 4*642,86 = 2.571 lei   |

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|---------|---|-------------------------------|------------------------|---------------------|------------------------|
| 36      | Belmeguenai M., <b>Gabor M.S.</b> , Roussigne Y., <b>Petrisor T.Jr.</b> , <b>Mos R.B.</b> , Stashkevich A., Cherif S.M., <b>Tiusan C.</b> , <i>Interfacial Dzyaloshinskii-Moriya interaction sign in Ir/Co2FeAl systems investigated by Brillouin light scattering</i> , PHYSICAL REVIEW B, (ISSN: 2469-9950), Volum 97, Nr.articol 054425, DOI: 10.1103/PhysRevB.97.054425, Published: 22 FEB 2018 | Gabor Mihai<br>Fac. IMM       | Q2                     | 562,50              | 4*562,50 = 2.250 lei   |
| 37      | Belmeguenai M., Aitoukaci K., Zighem F., <b>Gabor M.S.</b> , <b>Petrisor T.Jr.</b> , <b>Mos R.B.</b> , <b>Tiusan C.</b> , Investigation of the annealing temperature dependence of the spin pumping in Co20Fe60B20/Pt systems, JOURNAL OF APPLIED PHYSICS, (ISSN: 0021-8979), Volum: 123, Nr. articol: 113905, DOI: 10.1063/1.5011111, Published: 21 MAR 2018                                       | Gabor Mihai<br>Fac. IMM       | Q2                     | 642,86              | 4*642,86 = 2.571 lei   |
| 38      | Belmeguenai M., Roussigne Y., Bouloussa H., Cherif S.M., Stashkevich A., <b>Nasui M.</b> , <b>Gabor M.S.</b> , Mora-Hernandez A., Nicholson B., Inyang O.-O., Hindmarch A.T., Bouchenoire L., <i>Thickness Dependence of the Dzyaloshinskii-Moriya Interaction in Co2FeAl Ultrathin Films: Effects of Annealing Temperature and Heavy-Metal Material</i> , PHYSICAL REVIEW APPLIED, (ISSN:          | Gabor Mihai<br>Fac. IMM       | Q1                     | 541,67              | 2*541,67 = 1.083 lei   |
| 39      | <b>Muresan C.</b> , <b>Folea S.</b> , <b>Birs I.</b> , Ionescu C., <i>A novel fractional-order model and controller for vibration suppression in flexible smart beam</i> , NONLINEAR DYNAMICS, (ISSN: 0924-090X), Volum: 93, pp: 525-541, DOI: 10.1007/s11071-018-4207-0, Published: JUL 2018   | Birs Isabela<br>Fac. AC       | Q1                     | 1.625,00            | 3*1.625,00 = 4.875 lei |
|         | <b>TOTAL</b>  |                               |                        |                     | <b>116.333 lei</b>     |