



FIȘA DE ÎNDEPLINIRE A STANDARDELOR MINIMALE

conform Comisiei CNATDCU nr. 17, Inginerie mecanică, mecatronică și robotică

Cristinel Ioan Ilie

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
A. Deținerea diplomei de Doctor	Titlul tezei de doctorat: <i>Contribuții privind determinarea dezechilibrelor dinamice pentru sisteme mecanice de precizie cu mișcare de rotație, pe mașini de echilibrat antrenate prin câmp magnetic</i> , Universitatea POLITEHNICA București, 2014	
B. Cerința legală	Dovada îndeplinirii cerinței legale [punctaj]	
	Indicator	Realizat pe întreaga activ.
A.1 - Activitatea didactică și profesională DID		
A.1.1 Manuale suport de curs	Nu se aplică	Nu se aplică
A.1.2 Material didactic/Dezvoltare laboratoare, aplicații	Nu se aplică	Nu se aplică
A2. Activitatea de cercetare științifică, dezvoltare tehnologică și inovare CDI		
A.2.1. Articole și publicații științifice Web of Science Thomson Reuters (WOS), unde n este numărul de autori și FI factorul de impact	P1=P1.1+P1.2+P1.3+P1.4	A2.1=P1=7,23
Autor corespondent/prim autor		
n≤3	P1.1=2(0,2+FI)	0,8
Ilie, C; Comeagă, D; Donțu, O., <i>Modeling and Testing of a New Dynamic Balancing System Based on Magnetic Interaction</i> , ACOUSTICS & VIBRATION OF MECHANICAL STRUCTURES, Edited by: Herisanu, N; Marinca, V Book Series: Applied Mechanics and Materials, Volume: 430 Pages: 143-+, DOI: 10.4028/www.scientific.net/AMM.430.143 Published: 2013, Accession Number: WOS:000335880800022 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=14&doc=140	2(0,2+0,)	0,4
Ilie, C; Comeagă, D; Nedelcu, A., <i>Modeling and Simulation of a New Dynamic Balancing System Based on Magnetic Interaction</i> 2013 8TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE), Book Group Author(s):IEEE, Published: 2013, Accession Number: WOS:000332928500101 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=15&doc=143	2(0,2+0)	0,4

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
$n \geq 4$	$P1.2 = 2 \times 3 \times (0,2 + FI)/n$	1,15
CRISTINEL ILIE, NICOLAE TĂNASE, IONEL CHIRIȚĂ, ADRIAN NEDELCU, MIHAI GUȚU, Improvement of the Performances of Electric Machines With Applications in Aeronautics, Using Special Materials , Rev. Roum. Sci. Techn.–Électrotechn. et Énerg. Vol. 65, Issue 1-2, pp. 41–46, Bucarest, 2020; Accession Number: WOS:000552052900007 http://revue.elth.pub.ro/index.php?action=main&year=2020&issue=1-2; https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=1&doc=10	6(0,2+0,76)/5	1,15
Coautor		
$n \leq 3$	$P1.3 = 0,2 + FI$	0
$n \geq 4$	$P1.4 = 3(0,2 + FI)/n$	5,28
IONEL CHIRIȚĂ, DRAGOȘ OVEZEA, NICOLAE TĂNASE, MARIUS POPA, CRISTINEL ILIE, Fluidic and Thermal Characterization of a Sextupole Magnet for The Storage Ring of the FAIR Project , Rev. Roum. Sci. Techn.–Électrotechn. et Énerg. Vol. 65, Issue 3–4, pp. 165–172, Bucarest, 2020, Accession Number: WOS:000608261900003, http://revue.elth.pub.ro/upload/53176103_NTanase_RRST_3-4_2020_pp_165-172.pdf; https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=1&doc=9	3(0,2+0,76)/5	0,58
N. Tănase, A. M. Morega, I. Chiriță and C. Ilie, Passive Magnetic Bearing – Design and Numerical Simulation , IEEE Proceedings of 2019 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, Romania, 2019, Accession Number: WOS:000475904500106, https://ieeexplore.ieee.org/document/8724949; https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=4&doc=38	3(0,2+0)/4	0,15
N. Tănase, I. Chiriță, G. M. Mihăiescu, A. Nedelcu, C. Ilie and D. Lipcinski Study of an Electromagnet for Digital Hydraulics - Numerical Simulation and Experimental Model Testing , IEEE Proceedings of 2019 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, Romania, 2019, Accession Number: WOS:000475904500162, https://ieeexplore.ieee.org/document/8725007; https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=4&doc=38	3(0,2+0)/6	0,1
Popescu, M; Tudor, E; Nicolaie, S; Ilie, CI ; Popovici, L; Dumitru, C, Experimental Results Regarding Cogging Torque Reduction for the Permanent Magnet Synchronous Motors PMSM , 2019 11TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE) Book Series: International Symposium on Advanced Topics in Electrical Engineering Published: 2019, Accession Number: WOS:000475904500169,	3(0,2+0)/6	0,1

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
https://ieeexplore.ieee.org/document/8725014 ; https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=4&doc=37		
Nicolae TĂNASE, Alexandru M. Morega, Cristinel ILIE, Ionel CHIRIȚĂ, Adrian NEDELCU, Marius POPA, <i>Analytical and Numerical Modeling of Passive Magnetic Bearings</i>, U.P.B. Sci. Bull., Series C, Vol. 81, Iss. 4, 2019, Accession Number: WOS:000502008300019, https://www.scientificbulletin.upb.ro/rev_docs_arhiva/rezc9e_580939.pdf; https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=4&doc=33	3(0,2+0)/6	0,1
Chirita, I; Apostol, ES; Tanase, N; Ilie, C; Popa, M <i>Mathematical Modelling of the Induction Soldering Process for the Coils Connection</i>, PROCEEDINGS OF THE INTERNATIONAL CONFERENCE OF MECHATRONICS AND CYBER-MIXMECHATRONICS - 2017 Edited by:Gheorghe, GI, Book Series: Lecture Notes in Networks and Systems, Volume: 20, Pages: 109-116, DOI: 10.1007 /978-3-319-63091-5_13, Published: 2018; Accession Number: WOS:000540747400013, https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=7&doc=61	3(0,2+0)/5	0,12
Barbu, P; Codescu, MM; Iordoc, M; Marinescu, V; Manta; Ilie, C; Popa, M, <i>Electrodeposition of CoNiMnP Thick Films for Micromachined Magnetic Device Applications</i>, REVISTA DE CHIMIE, Volume: 69 Issue: 6 Pages: 1355-1362, Published: JUN 2018, Accession Number: WOS: 000438397400012 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=5&doc=45	3(0,2+1,755)/7	0,84
Chirita, I.; Tanase, N.; Apostol, SE.; Ilie, C.; Popa, M., <i>Design Optimization of a Flywheel using SolidWorks Modeling and Simulation Capabilities</i>, 2017 8TH INTERNATIONAL CONFERENCE ON ENERGY AND ENVIRONMENT (CIEM), Book Group Author(s):IEEE, Book Series: International Conference on Energy and Environment, Pages: 344-348, Published: 2017, Accession Number: WOS:000427610300073 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=8&doc=77	3(0,2+0)/5	0,12
Daniel, DV; Tanase, N.; Apostol, ES.; Chirita, I.; Ilie, C., <i>An Overview Regarding the Analytical vs. Numerical Computation for a PMB used for FESS</i>, 2017 10TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE), Book Group Author(s):IEEE, Book Series: International Symposium on Advanced Topics in Electrical Engineering Pages: 458-462, Published: 2017, Accession Number: WOS: 000403399400090	3(0,2+0)/5	0,12

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=57&SID=E1CDVURVA6a1tW79fG3&page=1&doc=10		
Morega, AM; Tanase, N; Morega, M; Comeaga, D; Ilie, C., Bending Mode Cantilever Actuators for Micro-Electromechanical Systems , 2015 9TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE), Book Group Author(s):IEEE, Pages: 556-561, Published: 2015, Accession Number: WOS:000368159800106 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=11&doc=104	3(0,2+0)/5	0,12
Tanase, N; Morega, AM; Nedelcu, A; Ilie, C., Radial-Axial Passive Magnetic Bearing System - Numerical Simulation Aided Design Solutions , 2015 9TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE), Book Group Author(s):IEEE, Pages: 566-572, Published: 2015, Document, Accession Number: WOS:000368159800108 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=11&doc=105	3(0,2+0)/4	0,15
Prioteasa, P; Ilie, C; Popa, M; Iordoc, M; Sbarcea, BG., Electrodeposition of Nickel for Fabrication of Microfluidic Pumps , REVISTA DE CHIMIE, Volume: 64 Issue: 3 Pages: 275-280, Published: MAR 2013, Accession Number: WOS:000319179300013 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=14&doc=136	3(0,2+1,755)/5	1,17
Prioteasa, P; Petica, A; Popa, M; Ilie, C; Visan, T., Electrochemical Deposition of Nickel for Micro-mechanical Systems , REVISTA DE CHIMIE, Volume: 62 Issue: 5 Pages: 543-548, Published: MAY 2011, Accession Number: WOS:000291275700012 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=16&doc=157	3(0,2+1,755)/5	1,17
Sava, V.; Ilie, C.; Popa, M.; Stanescu, S.; Rusu, MI.; Udrea, M., Optimisation of processing with excimer laser mask technique , OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, Volume: 5 Issue: 1-2 Pages: 99-102, Published: JAN 2011, Accession Number: WOS:000288625000021 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=17&doc=167	3(0,2+0,445)/6	0,32
Sava, V.; Ilie, C.; Popa, M.; Stoica, M.; Udrea, M., Excimer laser micro-machining optimization using beam homogenizers based optical system , ROMOPTO 2009: NINTH CONFERENCE ON OPTICS: MICRO- TO NANOPHOTONICS II, Edited by: Vlad, VI, Book Series: Proceedings of SPIE, Volume: 7469, Article Number: UNSP 74690U, DOI: 10.1117/12.859696, Published: 2010, Accession Number: WOS:000285573400030 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=19&doc=186	3(0,2+0)/5	0,12

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
Nicolaie, S.; Mihaiescu, M.; Marin, D.; Ilie, C.; Chirita, I.; Samoilescu, G.; Zus, M.; Cazacu, M., A NEW WAY OF SAILING IN DANUBE DELTA , ANNALS OF DAAAM FOR 2009 & PROCEEDINGS OF THE 20TH INTERNATIONAL DAAAM SYMPOSIUM, Edited by:Katalinic, B, Book Series: Annals of DAAAM and Proceedings, Volume: 20 Pages: 557-558, Published: 2009, Accession Number: WOS:000282335600279 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=21&doc=203	3(0,2+0)/8	0
A.2.2 Articole și publicații științifice BDI neincluse la A2.1	N3=N3.1+N3.2	A2.2=N3=6+5 = 11
Autor corespondent / prim autor	N3.1=număr	6
C. Ilie, M. Mihaiescu, I. Chirita, M. Gutu, M. Popa and N. Tanase Synchronous Electric Generator With Double Excitation , IEEE Proceedings of 2019 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, Romania, 2019, Accession Number: WOS:000475904500024, https://ieeexplore.ieee.org/abstract/document/8724866 ; https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=4&doc=36 DOI: 10.1109/ATEE.2019.8724866 https://www-scopus-com.am.e-nformation.ro/results/results.uri?sort=plf-f&src=s&st1=Ilie&st2=Cristinel&nlo=1&nlr=20&nls=count-f&sid=2bf129729432fe1159558f19c764de3e&sot=anl&sdt=aut&sl=41&s=AU-ID%28%22Ilie%2c+Cristinel+Ioan%22+36184311100%29&txGid=37e04af50f638ffeb343970a871610ed		1
Popa, M; Ilie, C; Lipcinski, D; Chirita, I; Tanase, N ; Apostol, S, Coupling and Assembly Elements Using Microfabrication Technologies , PROCEEDINGS OF THE INTERNATIONAL CONFERENCE OF MECHATRONICS AND CYBER-MIXMECHATRONICS – 2017, Edited by:Gheorghe, GI Book Series: Lecture Notes in Networks and Systems, Volume: 20, Pages: 149-157, DOI: 10.1007/978-3-319-63091-5_18, Published: 2018; Accession Number: WOS:000540747400018, DOI https://doi.org/10.1007/978-3-319-63091-5_18 , https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=7&doc=62 , https://www-scopus-com.am.e-nformation.ro/results/results.uri?sort=plf-f&src=s&st1=Ilie&st2=Cristinel&nlo=1&nlr=20&nls=count-f&sid=2bf129729432fe1159558f19c764de3e&sot=anl&sdt=aut&sl=41&s=AU-ID%28%22Ilie%2c+Cristinel+Ioan%22+36184311100%29&txGid=37e04af50f638ffeb343970a871610ed		1
Cristinel Ilie, Constantin Daniel Comeaga, Octavian Dontu, Marius Popa, Micro Parts Errors to Precision Manufacturing using UV-LIGA Technology September 2013, DOI: 10.4028/www.scientific.net /AMR. 816-817.237,		1

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
https://www-scopus-com.am.e-information.ro/results/results.uri?sort=plf-f&src=s&st1=Ilie&st2=Cristinel&nlo=1&nlr=20&nls=count-f&sid=2bf129729432fe1159558f19c764de3e&sot=anl&sdt=aut&sl=41&s=AU-ID%28%22Ilie%2c+Cristinel+Ioan%22+36184311100%29&txGid=37e04af50f638ffeb343970a871610ed		
Cristinel Ilie, Constantin Daniel Comeaga, Octavian Dontu, G. Gheorghe, Modeling, simulation and validation of a new dynamic balancing system based on magnetic interaction January 2013, The Romanian Review Precision Mechanics, Optics & Mechatronics, 2013, No.43. https://www-scopus-com.am.e-information.ro/results/results.uri?sort=plf-f&src=s&st1=Ilie&st2=Cristinel&nlo=1&nlr=20&nls=count-f&sid=2bf129729432fe1159558f19c764de3e&sot=anl&sdt=aut&sl=41&s=AU-ID%28%22Ilie%2c+Cristinel+Ioan%22+36184311100%29&txGid=37e04af50f638ffeb343970a871610ed		1
Cristinel Ilie, Constantin Daniel Comeaga, Octavian Dontu, Sensory analysis for a new dynamic balancing system based on magnetic interaction , ISSN 1454-2358, U.P.B. Sci. Bull., Series D, Vol. 75, 173-184, Iss. 4, 2013 https://www-scopus-com.am.e-information.ro/results/results.uri?sort=plf-f&src=s&st1=Ilie&st2=Cristinel&nlo=1&nlr=20&nls=count-f&sid=2bf129729432fe1159558f19c764de3e&sot=anl&sdt=aut&sl=41&s=AU-ID%28%22Ilie%2c+Cristinel+Ioan%22+36184311100%29&txGid=37e04af50f638ffeb343970a871610ed		1
Cristinel Ioan Ilie, Marius Popa, Paula Prioteasa, Nicolae Tanase Applications of liga technology for the development of micromechanical systems , U.P.B. Sci. Bull., Series D, Vol. 73, Iss. 2, 137-150, 2011 ISSN 1454-2358 https://www-scopus-com.am.e-information.ro/results/results.uri?sort=plf-f&src=s&st1=Ilie&st2=Cristinel&nlo=1&nlr=20&nls=count-f&sid=2bf129729432fe1159558f19c764de3e&sot=anl&sdt=aut&sl=41&s=AU-ID%28%22Ilie%2c+Cristinel+Ioan%22+36184311100%29&txGid=37e04af50f638ffeb343970a871610ed		1
Coautor	N3.2=număr	5
Dragoș OVEZEA1, Ionel CHIRIȚĂ1, Nicolae TĂNASE1, Cristinel ILIE1, Marius POPA1, A NEW CONSTRUCTIVE SOLUTION FOR A PIEZOELECTRIC TRANSLATION MODULE, DESIGN AND SIMULATION , UPB Scientici Bulletin Series D, ISSN 1454-2358, Seria 3, 2019 https://www.scientificbulletin.upb.ro/SeriaD_-_Inginerie_Mecanica.php?page=revistaonline&a=2&arh_an=2019&arh_ser=D&arh_nr=3 https://www-scopus-com.am.e-information.ro/results/results.uri?sort=plf-f&src=s&st1=Ilie&st2=Cristinel&nlo=1&nlr=20&nls=count-f&sid=2bf129729432fe1159558f19c764de3e&sot=anl&sdt=aut&sl=41&s=AU-ID%28%22Ilie%2c+Cristinel+Ioan%22+36184311100%29&txGid=37e04af50f638ffeb343970a871610ed		1

Cerința legală (conținut)	Dovada îndeplinirii cerinței legale	
ID%28%22Ilie%2c+Cristinel+Ioan%22+36184311100%29&txGid=37e04af50f638ffeb343970a871610ed		
Constantin Daniel Comeaga, Dragos Ovezee, Cristinel Ilie Micro Electromagnetic Actuator - Static Behavior January 2018 MATEC Web of Conferences 220:05003, DOI: 10.1051/mateconf/201822005003 LicenseCC BY https://www-scopus-com.am.e-nformation.ro/results/results.uri?sort=plf-f&src=s&st1=Ilie&st2=Cristinel&nlo=1&nlr=20&nls=count-f&sid=2bf129729432fe1159558f19c764de3e&sot=anl&sdt=aut&sl=41&s=AU-ID%28%22Ilie%2c+Cristinel+Ioan%22+36184311100%29&txGid=37e04af50f638ffeb343970a871610ed		1
Daniel Comeaga, Alexandru Morega, Viorel Gheorghe, Cristinel Ilie, Modellind and Simulation for Control of a MEMS Electromagnetic Scanner, International Journal of Mechatronics and Applied Mechanics, 2017, Issue 2 http://ijomam.com/wp-content/uploads/2017/12/7-14_MODELING-AND-SIMULATION-FOR-CONTROL-OF-A-MEMS-ELECTROMAGNETIC-SCANNER.pdf https://www-scopus-com.am.e-nformation.ro/results/results.uri?sort=plf-f&src=s&st1=Cristinel&st2=Ilie&nlo=1&nlr=20&nls=count-f&sid=e035a46a9e5cfe2e47ac3a5a8ddcfecb&sot=anl&sdt=aut&sl=36&s=AU-ID%28%22Cristinel%2c+Ilie%22+56112599100%29&txGid=f007021c28657eed4d87b80b721cd849		1
Viorel Gheorghe, Alina Popescu-Cuta, Constantin Daniel Comeaga, Ilie Cristinel, DETERMINING THE YOUNG MODULUS OF ELECTROPLATED NI USING MODAL ANALYSIS, The Romanian Review Precision Mechanics, Optics & Mechatronics, 2015, No.48., p267-270, http://incdmtm.ro/mecahitech2013/?lang=ro https://www-scopus-com.am.e-nformation.ro/results/results.uri?sort=plf-f&src=s&st1=Cristinel&st2=Ilie&nlo=1&nlr=20&nls=count-f&sid=e035a46a9e5cfe2e47ac3a5a8ddcfecb&sot=anl&sdt=aut&sl=36&s=AU-ID%28%22Cristinel%2c+Ilie%22+56112599100%29&txGid=f007021c28657eed4d87b80b721cd849		1
Popa, G.; Ilie, C.; Potarnuche, I.; Galos, H.; Stanciu, V.; Arsene, S., Stand for testing electrical machines up to 1,500 kilowatts used in railway traction, PROCEEDINGS OF 2010 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION, QUALITY AND TESTING, ROBOTICS (AQTR 2010), VOLS. 1-3, Edited by:Miclea, L; Stoian, I Book Series: IEEE International Conference on Automation Quality and Testing Robotics, Published: 2010, Accession Number: WOS:000419281500128, DOI: 10.1109/AQTR.2010.5520829 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=19&doc=184 https://www-scopus-com.am.e-nformation.ro/results/results.uri?sort=plf-f&src=s&st1=Ilie&st2=Cristinel&nlo=1&nlr=20&nls=count-f&sid=e035a46a9e5cfe2e47ac3a5a8ddcfecb&sot=anl&sdt=aut&sl=36&s=AU-ID%28%22Cristinel%2c+Ilie%22+56112599100%29&txGid=f007021c28657eed4d87b80b721cd849		1

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
f&sid=2bf129729432fe1159558f19c764de3e&sot=anl&sdt=aut&sl=41&s=AU-ID%28%22Ilie%2c+Cristinel+Ioan%22+36184311100%29&txGid=37e04af50f638ffeb343970a871610ed		
A.2.3 Brevete de invenții indexate Internationale indexate in Web of Science – Derwent Innovation	P2=P2.1+P2.2	A2.3=P2=7,17+2,2+12,1 = 21,47
Prim autor	P2.1=acelasi calcul cu A2.1 si FI=2	
Prim autor $n \leq 3$	P2.1=2(0,2+2)	0
Prim autor $n \geq 4$	P2.1=2*3(0,2+2)/n	7,17
ILIE C I, MIHAIESCU G M, CHIRITA I, NICOLAIE S, TANASE N, POPA M, POPESCU M <i>Inertial device for energy storage and protection of local electric micro-grid, has driving electric machine provided to flywheel and then to generator machine, and driving electric machine supplied from industrial electric grid</i> , Patent Number(s):RO134279-A2 Patent Assignee Name(s) and Code(s): INST NAT CERC-DEZVOLTARE ING ELECTRICA (NADE-Non-standard) Derwent Primary Accession Number: 2020-606159, https://apps.webofknowledge.com/full_record.do?product=DIIDW&search_mode=GeneralSearch&qid=1&SID=E285JALmaggJFCzb4bt&page=1&doc=2	2*3*2,2/7	1,89
ILIE C I, POPA M, IORDACHE I, CHIRITA I, TANASE N <i>Micro pump with elastic membranes with internal cutouts, intended to be used in medical, pharmaceutical, aeronautics or biotechnology field</i> , Patent Number(s): RO129247-A2, Derwent Primary Accession Number: 2014-D83689 http://apps.webofknowledge.com/full_record.do?product=DIIDW&search_mode=GeneralSearch&qid=3&SID=D4HS4yKDfmY8EsPDRdg&page=1&doc=6	2*3*2,2/5	2,64
ILIE C I, POPA M, CHIRITA I, TANASE N, PRIOTEASA P, <i>Method for making miniature gear wheels with cycloid-profiled toothing for watchmaking</i> Patent Number(s): RO128393-A2; RO128393-B1 Derwent Primary Accession Number: 2013-K35871 http://apps.webofknowledge.com/full_record.do?product=DIIDW&search_mode=GeneralSearch&qid=3&SID=D4HS4yKDfmY8EsPDRdg&page=1&doc=8	2*3*2,2/5	2,64
Co- autor $n \leq 3$	P2.1= 0,2+FI	2,2
POPOVICI L, ILIE C., <i>Car wheels dynamic vertical balancing machine</i> - has motorised balancing shaft reducing bulk, cost and imprecision, and compensating abnormal forces, Patent Number(s): RO110981-B, Derwent Primary Accession Number: 1997-211123 http://apps.webofknowledge.com/full_record.do?product=DIIDW&search_mode=GeneralSearch&qid=3&SID=D4HS4yKDfmY8EsPDRdg&page=3&doc=2	0,2 +2=2,2	2,2

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
Co- autor $n \geq 4$	P2.1= 3(0,2+FI)/n	12,1
Inventor(s): OVEZEA D, TANASE N, CHIRITA I, GUTU M, ILIE C I, POPA M, NEDELCU A, Linear positioning system has subassembly which causes deformation/return to initial shape for achieving highly accurate regulation and continuous control of position in vicinity of target location , Patent Number(s): RO134346-A2, Patent Assignee Name(s) and Code(s): NAT CERC-DEZVOLTARE PENTRU ING ELECTRICA (NADE-Non-standard), Derwent Primary Accession Number: 2020-73761F, https://apps.whoofknowledge.com/full_record.do?product=DIIDW&search_mode=GeneralSearch&qid=1&SID=E285JALmggJFCzb4bt&page=1&doc=1	3(0,2+2)/7	0,94
TANASE N, MIHAIESCU G M, NICOLAIE S, CHIRITA I, ILIE C I, LIPCINSKI D, OVEZEA D, NEDELCU A, POPA M Electromagnet used in digital hydraulics application, has remaining supporting and reinforcing portions of electromagnetic assembly, central axle, lateral flanges and threaded rods with clamping nuts that are made of materials Patent Number(s): RO134148-A2 Patent Assignee Name(s) and Code(s): INST NAT CERC-DEZVOLTARE ELECTRICA ICPE (NADE-Non-standard) Derwent Primary Accession Number: 2020-49916W	3(0,2+2)/9	0,73
OVEZEA D, TANASE N, CHIRITA I, ILIE C I, POPA M, LIPCINSKI D, NEDELCU A System for position securing/releasing with piezoelectric actuators and parallelogram mechanism, has slide that is kept locked on rolling track by locking springs when piezoelectric actuators are not voltage supplied , Patent Number(s): RO133530-A2 Patent Assignee Name(s) and Code(s): ICPE NAT CERC-DEZVOLTARE ELECTRICA INST (ICPE-Non-standard) Derwent Primary Accession Number: 2019-68721P, https://apps.whoofknowledge.com/full_record.do?product=DIIDW&search_mode=GeneralSearch&qid=1&SID=E285JALmggJFCzb4bt&page=1&doc=4	3(0,2+2)/7	0,94
OVEZEA D, TANASE N, CHIRITA I, ILIE C I, POPA M, LIPCINSKI D, NEDELCU A Positioning system with incremental displacement by controlling systems, carries out unlocking of slides on rolling track by supplying piezoelectric actuators and gives amplification of deformation by actuators by parallelogram mechanisms Patent Number(s): RO133532-A2, Patent Assignee Name(s) and Code(s): ICPE NAT CERC-DEZVOLTARE ING ELECTRICA (ICPE-Non-standard), Derwent Primary Accession Number: 2019-68721M, https://apps.whoofknowledge.com/full_record.do?product=DIIDW&search_mode=GeneralSearch&qid=1&SID=E285JALmggJFCzb4bt&page=1&doc=5	3(0,2+2)/7	0,94
NICOLAIE S, MIHAIESCU G M, BUNEA F, POPESCU M, CHIHAI A R A, BABUTANU C A, DUMITRU C, MACAMETE E, GUTU M, ILIE C I, FUIOREA I, Counter-rotating hydroelectric micro power plant for hydraulic-electric conversion of energy of rivers of variable flowrate, has sealing elements with permanent magnets, points of crossing walls of	3(0,2+2)/11	0,6

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
central chamber includes sealing elements, Patent Number(s): RO133057-A0 Patent Assignee Name(s) and Code(s): SMART MECHANICS SRL (SMAR-Non-standard), INST NAT CERC-DEZVOLTARE ELECTRICA ICPE (NADE-Non-standard), Derwent Primary Accession Number: 2019-45292J, https://apps.webofknowledge.com/full_record.do?product=DIIDW&search_mode=GeneralSearch&qid=1&SID=E285JALmggJFCzb4bt&page=1&doc=6		
IBABUTANU C, BUNEA F, CHIIAIA R, DUMITRU J, HOLOTESCU S, ILIE C, MARINICA O, MOREGA A, MOREGA M, NICOLAIE S, PISLARU-DANESCU L, POPA M, POPA N, STOIAN F D Planar transformer with magnetic nanofluid comprises an assembly of planar coils comprising primary and secondary planar coils, Patent Number(s): RO131757-A0 Derwent Primary Accession Number: 2017-21890U http://apps.webofknowledge.com/full_record.do?product=DIIDW&search_mode=GeneralSearch&qid=3&SID=D4HS4yKDfmY8EsPDRdg&page=1&doc=1	3(0,2+2)/14	0,47
KAPPEL W, MIHAIESCU G M, ILIE C I, GAVRILA H C, VASILE I, Inductor-armature structure without ferromagnetic core for permanent magnet electrical machine, Patent Number(s): RO123604-B1 Derwent Primary Accession Number: 2014-L22722 http://apps.webofknowledge.com/full_record.do?product=DIIDW&search_mode=GeneralSearch&qid=3&SID=D4HS4yKDfmY8EsPDRdg&page=1&doc=5	3(0,2+2)/5	1,32
Inventor(s): CATANESCU A L, IGNAT M, PUFLEA I, ILIE C I, POPA M, TINCA I, Electrostatic micro motor with rotating field which comprises a three-phase assembly of twelve stator electrodes, Patent Number(s): RO128346-A2 Patent Assignee Name(s) and Code(s): INST NAT CERCETARE DEZV ELECTROCHIMIE (NADE-Non-standard) Derwent Primary Accession Number: 2013-G49281 http://apps.webofknowledge.com/full_record.do?product=DIIDW&search_mode=GeneralSearch&qid=3&SID=D4HS4yKDfmY8EsPDRdg&page=1&doc=9	3(0,2+2)/6	1,1
Inventor(s): OPRINA G, ILIE C I, POPA M, BARAN G, BUNEA F., Simulator determining optimum parameters of containers for transportation of aquatic animals, Patent Number(s): RO126155-A0; RO126155-B1, Derwent Primary Accession Number: 2011-E11960 http://apps.webofknowledge.com/full_record.do?product=DIIDW&search_mode=GeneralSearch&qid=3&SID=D4HS4yKDfmY8EsPDRdg&page=1&doc=10	3(0,2+2)/5	1,32
Inventor(s): KAPPEL W, MIHAIESCU G M, ILIE C I, LIPCINSKI D, VASILE I., Device for dynamic equilibration with magnetic coupling, comprises driving rotary assembly, hollow shaft supported by two fixed radial bearings, integral with casing and two lateral flanges Patent Number(s): RO123090-B1 Derwent Primary Accession Number: 2010-M68924 http://apps.webofknowledge.com/full_record.do?product=DIIDW&search_mode=GeneralSearch&qid=3&SID=D4HS4yKDfmY8EsPDRdg&page=2&doc=12	3(0,2+2)/5	1,32

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
Inventor(s): OLARU G, NICOLAE S, ILIE C I, SAMOILESCU G, MARIN M D., <i>Wave channel for researches, comprises tank made of transparent material, cylinder provided with two arms mounted on axle sustained by two parts, and connecting rod crank system</i> Patent Number(s): RO125619-A2; RO125619-B1 Derwent Primary Accession Number: 2010-K02750 http://apps.webofknowledge.com/full_record.do?product=DIIDW&search_mode=GeneralSearch&qid=3&SID=D4HS4yKDfmY8EsPDRdg&page=2&doc=13	3(0,2+2)/5	1,32
Inventor(s): PISO I M, KRAFT G, ACIU A, ILIE C, POPOVICI I, RADULESCU C., <i>Magnetic fluid bearing for dynamic balancing of rotary machine - has chamber filled with fluid, housing cylinder on shaft and four terminals with magnetic cores and coils</i> , Patent Number(s): RO102539-A, Derwent Primary Accession Number: 1993-124103, Citing Patents: 2 http://apps.webofknowledge.com/full_record.do?product=DIIDW&search_mode=GeneralSearch&qid=3&SID=D4HS4yKDfmY8EsPDRdg&page=4&doc=32	3(0,2+2)/6	1,1
Nationale indexate OSIM	P2.2=acelasi calcul cu A2.1 si FI=0,5	0
A2.4 Produse, tehnologii, platforme și servicii inovative (validate conform procedurilor specifice unitatilor de invatamant superior sau de cercetare)	N4.1+N4.2	A2.4=N4.1+N4.2 = 16+12 = 28
Coordonator/prim autor	N4.1=numar	16
Stand rodaj motoare termice, Ctr. 1251/2020 si Act Ad. 1/2020, PV de receptie si punere in functiune nr. 187/15.02.2021, utilizator Uzina Automecanica Moreni		1
Stand rodaj puncti auto, Ctr. 1252/2020 si Act Ad. 1/2020, PV de receptie si punere in functiune nr. 185/15.02.2021, utilizator Uzina Automecanica Moreni		1
Micromașină electrică cu aplicații în aeronautică, prin folosirea de materiale speciale, de ultimă generație. Ctr. 1 SOL /2017, http://www.icpe-ca.ro/icpe-ca/rapoarte-activitate/raport-anual-2019.pdf		1
Realizare stand pentru incercarea cablurilor de alimentare a UAV, ctr. 1 sol/2017, PV Avizare interna nr.2700/05.12.2018 http://www.icpe-ca.ro/rapoarte-activitate/raport-anual-2018.pdf		1
Realizare generator electric cu magneti permanenti, ctr. 1 sol/2017, model funcțional, PV Avizare interna nr.2700/05.12.2018 http://www.icpe-ca.ro/rapoarte-activitate/raport-anual-2018.pdf		1
Realizare stand pentru masurarea caracteristicilor generatorului electric, ctr. 1 sol/2017, PV Avizare interna nr.2700/05.12.2018 http://www.icpe-ca.ro/rapoarte-activitate/raport-anual-2018.pdf		1
Stand pentru testarea dispozitivelor MEMS electromagnetice Contract 249/2014, PV Avizare interna nr. 4095/12.12.2016 http://www.icpe-ca.ro/rapoarte-activitate/raport-anual-2017.pdf		1
Microactuatoare cu bobină spirală plană, cu lamelă central Contract 249/2014, PV Avizare interna nr. 4095/12.12.2016 http://www.icpe-ca.ro/rapoarte-activitate/raport-anual-2017.pdf		1
Microactuatoare cu bobină spirală plană, cu lamele paralele Contract 249/2014, PV Avizare interna nr. 4095/12.12.2016 http://www.icpe-ca.ro/rapoarte-activitate/raport-anual-2017.pdf		1
Microactuatoare cu căi de curent paralele, cu lamelă central Contract 249/2014, PV Avizare interna nr. 4095/12.12.2016		1

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
http://www.icpe-ca.ro/rapoarte-activitate/raport-anual-2017.pdf		
Microactuator cu căi de curent paralele, cu lamele paralele Contract 249/2014, PV Avizare internă nr. 4095/12.12.2016 http://www.icpe-ca.ro/rapoarte-activitate/raport-anual-2017.pdf		1
Stand pentru rodarea, caracterizarea și încercarea mașinilor electrice până la 1500 kW folosite în tracțiunea feroviara, contract INOVARE nr. 87/2007. http://www.icpe-ca.ro/rapoarte-activitate/raport-anual-2009.pdf		1
Laborator destinat procesării microstructurilor mecanice prin Tehnologie LIGA, contract CAPACITATI 58/cp/I/2007, PV de avizare internă nr. 80/03.09.2009 http://www.icpe-ca.ro/rapoarte-activitate/raport-anual-2010.pdf		1
Sistem complex de măsurare, verificare și control, destinat echilibrării dinamice a arborilor cardanici utilizați la locomotivele Diesel. Proces verbal de certificare nr. 18/27.10.207.		1
Echipament pentru măsurarea și controlul dezechilibrului dinamic. Proces verbal de certificare nr. 2/22.02.2005		1
Mașina de echilibrat rotoare, în două plane, pentru mase de max 100.kg. Proces verbal de certificare nr. 1/14.02.2003		1
Co-autor	N4.2=numar	12
Electromagnet sextupol, pentru proiectul FAIR 35/2013 http://www.icpe-ca.ro/rapoarte-activitate/raport-anual-2015.pdf		1
Electromagnet Steerer Orizontal FAIR 35/2013 http://www.icpe-ca.ro/rapoarte-activitate/raport-anual-2015.pdf		1
Electromagnet Steerer Vertical FAIR 35/2013 http://www.icpe-ca.ro/rapoarte-activitate/raport-anual-2015.pdf		1
Prototip de turbină eoliană cu dublu efect (1 buc.) Contract nr. 39/2012 (4285/2012), dr. ing. Sergiu Nicolaie http://www.icpe-ca.ro/rapoarte-activitate/raport-anual-2017.pdf		1
Model experimental generator electric hibrid pentru turbină eoliană cu ax vertical (1 buc.) Contract 41/2014 http://www.icpe-ca.ro/rapoarte-activitate/raport-anual-2017.pdf		1
Traductor de accelerație. Proces verbal de certificare nr. 39/13.03.2013		1
Generator de bule cu micro-orificii perforate de diametru constant, GMB. Proces verbal de certificare nr. 31/12.09.2011		1
Camera Anechoica. Proces verbal de certificare nr. 22/15.02.208		1
Stand computerizat de măsurare, verificare și control a stării plane și a deformărilor remanente rezultate în urma tăierii tablelor cu ajutorul gazului Klein, tip SCHMIT-TGK. Proces verbal de certificare nr. 16/18.10.2006.		1
Stand computerizat pentru verificarea și controlul parametrilor funcționali ai rulmenților folosiți în echiparea materialului rulant, tip SCVPR. Proces verbal de certificare nr. 14/2006.		1
Sistem local inteligent de optimizare a consumurilor electrice și de mentinere a unui microclimat optim în interiorul unei ferme avicole. Proces verbal de certificare nr. 11/16.09.2005.		1
Stand computerizat pentru verificarea generatoarelor electrice sincrone-material rulant, tip SCVGES-MR. Proces verbal de certificare nr. 6/24.03.2005		1
A2.5 Monografii / carti de specialitate format tiparit / electronic (min. 180 pag.)	N4.3+N4.4	A2.5=N4.3+N4.4 =2
Coordonator/prim autor	N4.3=numar	2
Cristinel Ioan ILIE, Determinarea dezechilibrului dinamic pentru sisteme mecanice cu mișcare de rotație, Editura AGIE, Bucuresti 2020, ISBN 878-973-720-814-9, 127p.		1

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
Cristinel Ioan ILIE, Marius POPA, Nicolae TÂNASE, Componente și sisteme micromecanice fabricate prin tehnologia LIGA, București, Editura Electra, 2020, ISBN 978-606-507-127-8, 168p.		1
Co-autor	N4.4=numar	0
A3. Recunoașterea și impactul activității – RIA		
A3.1 Atragere resurse financiare prin granturi/proiecte/contracte terți	A3.1=S1+S2	A3.1=S1+S2=1180,6
Director sau responsabil partener la grant / proiect castigat prin competitie naționala sau internationala	S1=suma echivalenta in mii Euro Suma din grant / proiect incasata de institutie repartizata echipei din care directorul / responsabilul face parte (include chelt de personal, logistica,deplasari, indirecte)	1180,6
Ctr. 1251/2020 si Act Ad. 1/2020, Stand rodaj motoare termice	284.679 lei = 58.455,6 Euro(1E=4,87 lei)	58,4
Ctr. 1252/2020 si Act Ad. 1/2020, Stand rodaj punți auto	210.726 lei = 43.270 lei (1E=4,87 lei)	43,2
Ctr. 20PTE/2020, Sistem de compensare a vibrațiilor echipamentelor cu fascicul laser pentru microchirurgie	347.000 lei = 71.252,6 Euro (1E=4,87 lei)	71,2
Ctr. 1 SOL/2017 Platforme UAV (vehicule aeriene fără pilot uman) cu capacități dedicate și infrastructură suport, pentru aplicații în misiuni de securitate națională.	760.854 Lei =161.883,729 Euro (1 E=4,7 lei)	161,9
Ctr. PN II Nr 249/2014 <i>Actuatori electromagnetici si electrodinamici procesati prin tehnologie LIGA</i>	360.000 Lei = 80.898,876 Euro (1E=4,45 lei)	80,8
CAPACITATI Ctr. 58/cpI/2007 Laborator destinat procesarii microstructurilor mecanice prin tehnologie LIGA (2007-2009)	1.970.000 Lei =558.073,654 Euro (1E=3,53 Lei)	558
INOVARE Ctr. 87/ 2007 Stand pentru rodarea si incercarea masinilor electrice pana la 1500 kw folosite in tractiunea feroviara	308.105 lei =87.281,869 Euro (1E=3,53 Lei)	87
CALIST 5144/2004 Dezvoltarea de metode de precizie pentru masurarea dezechilibrelor, utilizand solutii de antrenare si lagaruire cu interactie magnetica (fara contact mecanic). (2004-2006)	48.499 Lei = 13.509,47 Euro (1E=3,59 lei)	13,5
CALIST 5216/2004 Sistem complex de masurare, incercare, verificare si control, destinat reducerii nivelului fortelor centrifuge perturbatoare neechilibrate dinamic, din ansamblul arbore cardanic utilizat la locomotivele diesel.(2004-2006)	138.700 lei= 38.635,097 Euro (1E=3,59 lei)	38
CALIST 4205 /2003 Sistem performant cu soft interactiv pentru masurarea si controlul dezechilibrului dinamic al arborilor cardanici cu mase de pina la 250 kg "(20003-2005)	697.650.000 RON = 17.099,264 euro	17

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
	(1E=4,08 lei)	
CALIST 3215/2002 Dezvoltarea unui sistem performant de masurare, incercare, verificare si control pentru vibratii si echilibrari dinamice necesar evaluarii si cretificarii conformitatii echipamentelor electrice (2002-2004) (SMS)	390.000.000 ROL = 39.000 RON = 10.540,54 (1E=3,7lei)	10,5
CALIST 3114/2002 Dezvoltarea de metode si tehnici performante de masurare, verificare si control in domeniul vibratiilor si echilibrarilor dinamice, privind echipamentele electrice, armonizate cu exigentele si tendintele standardelor si directivelor specifice existente la nivelul Comunitatii Europene (2002-2004) MTM	400.000.000 ROL = 40.000 RON = 10.810,81 Euro(1E=3,7lei)	10,8
CALIST 2130/2001Sistem computerizat de masura, verificare si control al dezechilibrului dinamic, destinat motoarelor electrice de turatie ridicata cu mase mai mici de 20 kg, in vederea corelarii acestuia cu cerintele SR ISO 1940 (2001-2003/	670.000.000 ROL = 67.000 RON = 18.108,108 Euro (1E=3,7lei)	18,1
Relansin 1546/2001Cercetarea, proiectarea si executia unei masini de echilibrat dinamic rotoare cu mase mai mici de 100 kG. (2001-2004)	450.000.000 ROL = 45.000 RON = 12.162,162 Euro (1E=3,7lei)	12,2
Membru in echipa la grant / proiect castigat prin competitie naționala sau internationala, proiecte/contracte terți	S2=suma echivalenta in mii Euro Suma din grant / proiect / contracte terți incasata de institutie repartizata de director / responsabil persoanei respective (include chelt de personal, logistica,deplasar, indirecte)	0
Stand pentru testare motoare Diesel de locomotivă,cu recuperarea energiei în rețeaua electrică, SC Remarul 16 Februarie, 1.800.000 lei, contract subsidiar POC 126-D3/2019	1.800.000.lei = 369.609,8 Euro (1 E=4,87 lei)	
- Stocarea energiei termice de scurtă și lungă durată în clădirile cu consum de energie aproape zero, TERMSTOC, Ctr. nr. 126/2/03.08.2018 (POC 126), 2018 – 2020, 565.500 lei, S.C. Q S.R.L.	565.500 lei = 116.119 Euro (1 E=4,87 lei)	
Car. 4308/2014 ROCERN -Caracterizarea calitatii campului electromagnetilor normali conductor ai HESR, ca actiune pregatitoare pentru experimentul PANDA	567.649 lei =120.776 Euro (1 E=4,7 lei)	
Contract FAIR- IKC 2.11.2.3/2013 (nr int. 3432) Facility for Antiproton and Ion Research, cu colaboratori din tara si beneficiar extern	3.917.800 Euro	
Contract. MIS ETC 2303-Integrated hotspots management and saving the living Black Sea ecosystem – HOT BLACK SEA” din cadrul Programului Operațional Comun Bazinul Mării Negre 2007-2013, cu 4 colaboratori externi.	479.761,39 Euro	

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
Ctr. Transfrontalier MIS ETC Cod 128 - Joint study regarding an electro-generator system powered by water turbine for cross-border ecological electrical transport system.	201.737,22 EUR	
PNII Parteneriate CHPV 21-001 2007-2010CENTRALA ELECTRICA HIDROPNEUMATICA ACTIONATA DE VALURI (2007-2010)	1.128.255 lei = 319.610,481Eur (1E=3,53 lei)	
CEEX X2C17Sisteme hidroenergetice de conversie-stocare-distribuție a energiilor, regenerabile, destinate deservirii transportului fluvial ecologic din acvatoriile protejate (2006-2008)	1.157.000 lei = 364.984,227 Euro (1E=3,17 lei)	
CEEX IV – nr. 271/10.08.2006 : Laborator de incercari pentru micro si nanoelectromecanica (LMNEM) (2006-2008)	785.000 lei = 247.636,069 Euro (1E=3,17 lei)	
CALIST 5217/2004 Stand computerizat pentru verificarea si controlul parametrilor functionali ai rulmentilor, folositi in echiparea materialului rulant, tip SCVPR (2004-2006)	1.280.000.000 ROL = 128.000 RON = 35.654,596 Euro (1E=3,59 lei)	
CALISTnr.5206/2004 Sistem performant computerizat , de masurare, verificare si control a starii plane si a deformatiilor remanente rezultate in urma taierii tablelor cu ajutorul gazului Klein, gaz ecologic, in vederea cresterii preciziei si productivitatii procesului de debitare a tablelor” ”-(2004-2006)	843.750.000 ROL =84.375 RON = 23.502,875 Euro (1E=3,59 lei)	
CALIST 4207/2003 Stand pentru masurarea, incercarea si controlul parametrilor functionali ai generatoarelor electrice pana la 7 kW pentrumaterial rulant , tip SCVGES- MR (2003-2005)	620.000.000 ROL = 62,000 RON = 15.196,078 Euro (1E=4,08 lei)	
MENER 320/ 2003 Sistem local inteligent de potimizare a consumurilor electrice pentru mentinerea unui microclimat optim in interiorul unei ferme avicole 2003-2005	1.900.000.000 ROL = 190.000 RON = 46.568,627 Euro (1E=4,08 lei)	
RELANSIN 1654 / 2003 DEFECTOSCOP PORTABIL SI NOI MATERIALE MAGNETICE DE CONTRAST PENTRU DEFECTOSCOPIE ELECTROMAGNETICA, (2003-2005)	159.925.500 ROL =15.992,55 RON =3.919,6 Euro (1E=4,08 lei)	
RELANSIN 1114/2001 Cercetarea, proiectarea și execuția unei mașini de echilibrat dinamic în regim industrial roți auto (2001-2003)	200.000.000 ROL = 20.000 RON = 7.380 Euro (1E=2,71lei)	
1C04/2001 AMTRANS Ctr Baliza fluviala autonoma din punct de vedere energetic cu semnalizare luminoasa, utilizabila pe Dunare (2001-2005)	194.500.000 ROL = 19.450 RON = 7.177,12 Euro (1E=2,71lei)	
RELANSIN 727/2000 Sistem computerizat pentru măsurarea dezechilibrului dinamic al pieselor aflate în mișcare de rotație cu mase mai mici de 50 kg.(2001-2002)	162.000.000 ROL =12.200 RON = 4.501,84 Euro (1E=2,71lei)	
RELANSIN 83/1999 Cercetarea, proiectarea și execuția unei mașini de echilibrat dinamic axe de lungimi mari (1999-2000)	195.000.000 ROL = 19.500 RON = 9.750 Euro (1E=2 lei)	
A.3.2 Prezentarea/Diseminarea rezultatelor: prezență la manifestări științifice în calitate de autor / co-autor de lucrări, profesor invitat	A3.2=N5	A3.2=N5=33
Congrese/conferințe/workshopuri internaționale, profesor invitat la universități/institute din străinătate	N5=numar	33

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
C. Ilie, M. Mihaiescu, I. Chirita, M. Gutu, M. Popa and N. Tanase Synchronous Electric Generator With Double Excitation , IEEE Proceedings of 2019 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, Romania, 2019, https://ieeexplore.ieee.org/abstract/document/8724866		1
- N. Tănase, A. M. Morega, I. Chiriță and C. Ilie, Passive Magnetic Bearing – Design and Numerical Simulation , IEEE Proceedings of 2019 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, Romania, 2019, https://ieeexplore.ieee.org/document/8724949		1
- N. Tănase, I. Chiriță, G. M. Mihăiescu, A. Nedelcu, C. Ilie and D. Lipcinski Study of an Electromagnet for Digital Hydraulics - Numerical Simulation and Experimental Model Testing , IEEE Proceedings of 2019 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, Romania, 2019, https://ieeexplore.ieee.org/document/8725007		1
Popescu, M; Tudor, E; Nicolaie, S; Ilie, CI ; Popovici, L; Dumitru, C, Experimental Results Regarding Cogging Torque Reduction for the Permanent Magnet Synchronous Motors PMSM , 2019 11TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE) Book Series: International Symposium on Advanced Topics in Electrical Engineering Published: 2019, https://ieeexplore.ieee.org/document/8725014		1
Cristinel ILIE, Nicolae TĂNASE, Gheorghe-Mihai MIHĂIESCU, Ionel CHIRIȚĂ, Mihai GUȚU, Marius POPA, Micromașini electrice sincrone în construcție „Dublu Excitată” dezvoltate la INCĐIE ICPE-CA, SIMPOZIONUL DE MAȘINI ELECTRICE SME'19 – 15 Noiembrie, UPB, Bucuresti 2019 ISSN, ISSN-L:1843-5912. http://www.apme.pub.ro/apme/apme-2019_Contents.html		1
Ilie, C; Comeaga, D; Dontu, O., Modeling and Testing of a New Dynamic Balancing System Based on Magnetic Interaction , Book Series: Applied Mechanics and Materials, Volume: 430 Pages: 143-+ DOI: 10.4028/www.scientific.net/ AMM.430.143, Published: 2013, Document Type:Proceedings Paper AVMS 2013, Timisoara, XII-th International Symposium “Acoustic & Vibration of Mechanical Structures” http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=D4nYhJKFORWTt41jPj&page=11&doc=101		1
Ilie, C; Comeaga, D; Nedelcu, A., Modeling and Simulation of a New Dynamic Balancing System Based on Magnetic Interaction 2013 8TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE), Book Group Author(s):IEEE, Published: 2013 Document Type: Proceedings Paper. http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=D4nYhJKFORWTt41jPj&page=11&doc=104		1
Viorel Gheorghe, Alina Popescu-Cuta, Constantin Daniel Comeaga, Ilie Cristinel Determining the young modulus of electroplated ni using modal analysis , MECAHITECH 7th International Conference on Innovations, Recent Trends and Challenges in Mechatronics, Mechanical Engineering and New High – Tech Products Development		1

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
Cristinel Ilie, Daniel Constantin Comeaga, Marius POPA, <i>New Dynamic Balancing System Based on Magnetic Interaction and Software Removal of some Perturbations</i> ISAV 2014, 4-th International Conference on Acoustics and Vibration, Iran University of Science and Technology, Tehran, IRAN, December 10-11, 2014		1
Cristinel ILIE, Daniel COMEAGA, Octavian DONTU and Marius POPA, <i>Micro Parts Errors to Precision Manufacturing Using UV-LIGA</i> , Technolog 4th International Conference on Manufacturing Science and Technology, ICMST 2013, Dubai,		1
Chirita, I.; Tanase, N.; Apostol, SE.; Ilie, C.; Popa, M., <i>Design Optimization of a Flywheel using SolidWorks Modeling and Simulation Capabilities</i> , 2017 8TH INTERNATIONAL CONFERENCE ON ENERGY AND ENVIRONMENT (CIEM), Book Group Author(s):IEEE, Book Series: International Conference on Energy and Environment, Pages: 344-348, Published: 2017 Document Type:Proceedings Paper http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=D4nYhJKFORWTt41jPj&page=4&doc=37		1
Daniel, DV; Tanase, N.; Apostol, ES.; Chirita, I.; Ilie, C., <i>An Overview Regarding the Analytical vs. Numerical Computation for a PMB used for FESS</i> , 2017 10TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE), Book Group Author(s):IEEE, Book Series: International Symposium on Advanced Topics in Electrical Engineering Pages: 458-462, Published: 2017 Document Type:Proceedings Paper http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=D4nYhJKFORWTt41jPj&page=5&doc=45		1
Morega, AM; Tanase, N; Morega, M; Comeaga, D; Ilie, C., <i>Bending Mode Cantilever Actuators for Micro-Electromechanical Systems</i> , 2015 9TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE), Book Group Author(s):IEEE, Pages: 556-561 Published: 2015, Document Type:Proceedings Paper http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=D5wwKIcBp7qfR1V6bsL&page=7&doc=65		1
Tanase, N; Morega, AM; Nedelcu, A; Ilie, C., <i>Radial-Axial Passive Magnetic Bearing System - Numerical Simulation Aided Design Solutions</i> , 2015 9TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE), Book Group Author(s):IEEE, Pages: 566-572, Published: 2015, Document Type:Proceedings Paper http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=D4nYhJKFORWTt41jPj&page=7&doc=66		1
Popa, G.; Ilie, C.; Potarnuche, I.; Galos, H.; Stanciu, V.; Arsene, S., <i>Stand for testing electrical machines up to 1,500 kilowatts used in railway traction</i> , PROCEEDINGS OF 2010 IEEE INTERNATIONAL CONFERENCE ON AUTOMATION,		1

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
QUALITY AND TESTING, ROBOTICS (AQTR 2010), VOLS. 1-3, Edited by:Miclea, L; Stoian, I Book Series: IEEE International Conference on Automation Quality and Testing Robotics, Published: 2010, Document Type:Proceedings Paper http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=D4nYhJKFORWTt41jPj&page=15&doc=145		
Sava, V.; Ilie, C.; Popa, M.; Stoica, M.; Udrea, M., Excimer laser micro-machining optimization using beam homogenizers based optical system, ROMOPTO 2009: NINTH CONFERENCE ON OPTICS: MICRO- TO NANOPHOTONICS II, Edited by:Vlad, VI, Book Series: Proceedings of SPIE, Volume: 7469, Article Number: UNSP 74690U, DOI: 10.1117/12.859696, Published: 2010, Document Type:Proceedings Paper http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=D4nYhJKFORWTt41jPj&page=15&doc=147		1
Nicolaie, S.; Mihaiescu, M.; Marin, D.; Ilie, C.; Chirita, I.; Samoilescu, G.; Zus, M.; Cazacu, M., A new way of sailing in danube delta, ANNALS OF DAAAM FOR 2009 & PROCEEDINGS OF THE 20TH INTERNATIONAL DAAAM SYMPOSIUM, Edited by:Katalinic, B, Book Series: Annals of DAAAM and Proceedings, Volume: 20 Pages: 557-558, Published: 2009, Document Type:Proceedings Paper http://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=D4nYhJKFORWTt41jPj&page=17&doc=164		1
Cristinel Ilie; Mihai Mihaiescui; Ionel, Chirita, Mihai Gutu, Marius Popa, TanaseN., Synchronous Electric Generator With Double Excitation, March 2019, DOI: 10.1109/ ATEE.2019.8724866, Conference: 2019 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE) https://www.researchgate.net/profile/Cristinel_Ilie/publications		1
Popa M., Ilie C., Lipcinski D., Apostol S.Coupling and Assembly Elements Using Microfabrication Technologies September 2018, DOI: 10.1007/978-3-319-63091-5_18Conference: International Conference of Mechatronics and Cyber-Mixmechatronics https://www.researchgate.net/profile/Cristinel_Ilie/publications		1
Cristinel Ilie, Constantin Daniel Comeaga, Octavian Dontu, Marius Popa, Micro Parts Errors to Precision Manufacturing using UV-LIGA Technology 4th International Conference on Manufacturing Science and Technology, ICMST 2013, Dubai, UAE September 2013 DOI: 10.4028/www.scientific.net/AMR.816-817.237 https://www.researchgate.net/profile/Cristinel_Ilie/publications		1
Cristinel Ilie, Constantin Daniel Comeaga, Octavian Dontu, G. Gheorghe, Modeling, simulation and validation of a new dynamic balancing system based on magnetic interaction January 2013, 5th International Conference on Innovations, Recent Trends and Challenges in Mechatronics, Mechanical Engineering and New High-Tech Products Development, MECAHITECH'13 International Conference Bucharest, Romania, The Romanian Review Precision Mechanics, Optics & Mechatronics, 2013, No.43.		1

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
https://www.researchgate.net/profile/Cristinel_Ilie/publications Bunea Florentina, Gabriela Oprina, Gabriel Ciocan, Cristinel Ilie, Irina Pincovschi Aeration parameters optimization for an imposed energy consumption January 2009, , The 1st International Symposium on Green Energy, ISGE Technical University of Cluj-Napoca, Acta Technica Napocensis, series Applied Mathematics and Mechanics, Nr. 52, Vol.II, , ISSN 1221-5872, Cluj-Napoca, Romania, 2009 Project: Innovative aeration system of the water used by hydraulic turbines, for preservation of the aquatic life https://www.researchgate.net/profile/Cristinel_Ilie/publications		1
Mircea Ignat, Cristinel Ilie, Aspects of the standardization of the experimental characterization and specific parametres of nanoelectromechanical actuators and manipulators , International Conference EURONANOFORUM 2007 19-21 Iunie 2007 Dusseldorf, Germania, ISBN-13ISSN : 978-92-79-05481-5 1018-5593, 2007, Dusseldorf, Germania., Proceedings ENFeichen - European Commission - Europa		1
Cristinel Ilie, Daniel Constantin Comeaga, Marius POPA, New Dynamic Balancing System Based on Magnetic Interaction and Software Removal of some Perturbations – cod lucrare 4083, ISAV 2014 – 4-th International Conference on Acoustics and Vibration, Iran University of Science and Technology, Tehran, IRAN, December 10-11, 2014, selectat pentru publicare in Theoretical and Applied Vibration and Acoustics (TAVA) – indexat ISC		1
Tanase N., Chirita I., M. Mihaiescu M., Ilie C., Lipcinski D. Study of an Electromagnet for Digital Hydraulics - Numerical Simulation and Experimental Model Testing , March 2019 DOI: 10.1109/ATEE.2019.8725007, Conference: 2019 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE) https://www.researchgate.net/profile/Cristinel_Ilie/publications		1
Tanase N., Morega A. M., Chirita I., Ilie C. Passive Magnetic Bearing – Design and Numerical Simulation , March 2019, DOI: 10.1109/ATEE.2019.8724949, Conference: 2019 11th International Symposium on Advanced Topics in Electrical Engineering (ATEE) https://www.researchgate.net/profile/Cristinel_Ilie/publications		1
Chirita Ionel, Simona Apostol, Tanase Nicolae, Cristinel Ilie,., Marius Popa, Mathematical Modelling of the Induction Soldering Process for the Coils Connection September 2018 DOI: 10.1007/978-3-319-63091-5_13 Conference: International Conference of Mechatronics and Cyber-Mixmechatronics https://www.researchgate.net/profile/Cristinel_Ilie/publications		1
Constantin Daniel Comeaga, Dragos Ovezee, Cristinel Ilie Micro Electromagnetic Actuator - Static Behavior January 2018MATEC Web of Conferences 220:05003 DOI: 10.1051/mateconf/201822005003 LicenseCC BY		1

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
2018 The 2nd International Conference on Mechanical, System and Control Engineering (ICMSC 2018) Section Mechanical and Electronic Engineering https://www.researchgate.net/profile/Cristinel_Ilie/publications		
Ionel Chirita, Simona Apostol, Nicolae Tanase, Cristinel Ilie Marius Popa, Mathematical modelling of the induction soldering process for the coils connection September 2018, DOI: 10.1007/978-3-319-63091-5_13 International Conference of Mechatronics and Cyber-Mixmechatronic https://www.researchgate.net/profile/Cristinel_Ilie/publications		1
Violeta Tsakiris, Cristinel Ilie, Marinescu Virgil, Ionel Chirita Pivots for magnetical fixing of dental prosthesis obtained by diffusion welding technique June 2010 Conference: International Conference Innovative technologies for joining advanced materials, SUDURA Publishing House ISSN 1844-4938At: Timisoara, Romania https://www.researchgate.net/profile/Cristinel_Ilie/publications		1
Marian D, Palii L, Samoilescu G., Nicolae S, nedelcu A, Ilie C. Popa M, Protection against frost on the overhead power lines , Annals of DAAAM for Proceedings of the 21 st International DAAAM Symposion, ISSN1726-9679, 2010, Zadar, Croatia Vezi anexa 4 Scopus preview, poz 14		1
N. TĂNASE, A. M. MOREGA, C. ILIE, A. NEDELCU - „Simulare sistem de lăgăruire radial-axial cu magneți permanenți folosit pentru dispozitive de stocare a energiei cu volant” - SIMPOZIONUL DE MAȘINI ELECTRICE SME’14 – 3 Octombrie, 2014, UNIVERSITATEA POLITEHNICA DIN BUCUREȘTI. ISSN 1843-5912		1
Nicolae TĂNASE, Alexandru M. MOREGA, Cristinel ILIE , Marius POPA, Mihail POPESCU, Sistem De Stocare A Energiei Cinetice Pe Principiul Roții Volante, Cu Sustentație Magnetică FESS SIMPOZIONUL DE MAȘINI ELECTRICE SME’15		1
A3.3 Citări in publicatii BDI (se exclud autocitarile)	A3.3=C	A3.3=C 53,068
	C1=numarul de citari S_{FI}=suma factorilor de impact al publicatiilor WOS in care apar citarile C=C1+S_{FI}	53,068
Daniel, DV; Tanase, N.; Apostol, ES.; Chirita, I.; Ilie, C., An Overview Regarding the Analytical vs. Numerical Computation for a PMB used for FESS , 2017 10TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE), Book Group Author(s):IEEE, Book Series: International Symposium on Advanced Topics in Electrical Engineering Pages: 458-462, Published: 2017, Accession Number: WOS: 000403399400090	1+7,515 = 8,515	8,515

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=57&SID=E1CDVURVA6a1tW79fG3&page=1&doc=10 Citat de Xu, FQ; Lv, Y; Xu, XZ; Dinavahi, V; Model of Direct Current Driven Magnetic Levitation Actuator, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Volume: 65, Issue: 12, Pages: 9635-9645, DOI: 10.1109/TIE.2018.2811364, Accession Number: WOS:000440799700041 Published: DEC 2018 View Journal Impact IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Impact Factor 2017-7,515; Impact Factor pe ultimii 5 ani =7.623 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=3&SID=E2iRf2JsI4iBI3vsUkj&page=1&doc=1		
Morega, AM; Tanase, N; Morega, M; Comeaga, D; Ilie, C., Bending Mode Cantilever Actuators for Micro-Electromechanical Systems, 2015 9TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE), Book Group Author(s):IEEE, Pages: 556-561, Published: 2015, Accession Number: WOS:000368159800106 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=11&doc=104 Citat de Karve, H; Groff, RE; Adaptive Observer and Controller for Magnetic Microactuators, 2016 AMERICAN CONTROL CONFERENCE (ACC), Book Series: Proceedings of the American Control Conference Pages: 3509-3514, Published: 2016 Accession Number: WOS:000388376103092 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=9&SID=E2iRf2JsI4iBI3vsUkj&page=1&doc= Citat de Morega, AM; Morega, M; Comeaga, D; Dobre, AA, Sizing Relations for an Electromagnetic Cantilever Microactuator, 2016 INTERNATIONAL CONFERENCE ON APPLIED AND THEORETICAL ELECTRICITY (ICATE), Book Series: International Conference on Applied and Theoretical Electricity, Published: 2016, Accession Number: WOS:000390767500061 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=12&SID=E2iRf2JsI4iBI3vsUkj&page=1&doc=3 Citat de Dumitru Sergiu Comeaga Daniel Constantin Anghel Morega Alexandru Mihail, Modelling and simulation of MEMS electromagnetic scanner control, 2017 International Conference on Mechanical, System and Control Engineering (ICMSC), INSPEC Accession Number: 16996185 DOI: 10.1109/ICMSC.2017.7959465 Publisher: IEEE https://www.scopus.com/record/display.uri?eid=2-s2.0-85025807693&origin=resultslist&sort=plf-f&cite=2-s2.0-84939539139&src=s&imp=t&sid=5b5ab4147b0af6a1ebef748003	1+1 +1+1= 4	4

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
e8e30a&sot=cite&sdt=a&sl=0&relpos=3&citeCnt=1&searchTerm= Citat de Constantin Daniel Comeaga Viorel Gheorghe, <i>A MEMS Electro-Mechanical Device for Scanning and Energy-Harvesting Based on Moving Magnets Matrix</i> Acoustics and Vibration of Mechanical Structures—AVMS-2017 pp 279-286, DOI: 10.1007/978-3-319-69823-6_33 Springer Proceedings in Physics,198, pp. 279-286 https://www.scopus.com/record/display.uri?eid=2-s2.0-85039431489&origin=resultslist&sort=plf-f&cite=2-s2.0-84939539139&src=s&imp=t&sid=5b5ab4147b0af6a1ebef748003e8e30a&sot=cite&sdt=a&sl=0&relpos=1&citeCnt=0&searchTerm=		
Prioteasa, P; Ilie, C; Popa, M; Iordoc, M; Sbarcea, BG., Electrodeposition of Nickel for Fabrication of Microfluidic Pumps, REVISTA DE CHIMIE, Volume: 64 Issue: 3 Pages: 275-280, Published: MAR 2013, Accession Number: WOS: 000319179300013 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=14&doc=136 Citat de Li, KL; He, QS; Wang, JC; Zhou, ZG; Li, XX, Wearable energy harvesters generating electricity from low-frequency human limb movement, MICROSYSTEMS & NANOENGINEERING, Volume: 4, Article Number: UNSP 24, DOI: 10.1038/s 41378-018-0024-3, Published: SEP 10 2018, MICROSYSTEMS & NANOENGINEERING, Impact Factor= 5.071, 2017 DOI: 10.1038/s41378-018-0024-3, Accession Number: WOS:000444188000002 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=30&SID=E2iRf2Jsl4iBI3vsUkj&page=1&doc=1 Citat de VALERIU RUCAI , NICOLAE CONSTANTIN, BRANDUSA GHIBAN, ION CIUCA, CRISTIAN DOBRESCU Quantitative Microstructural Analysis of a Ni-based Superalloy After Different Heat Treatments, Revista de chimie, nr.12/2019, factor impact 1,755 https://www.revistadechimie.ro/pdf/67%20RUCAI%2012%2019.pdf https://www.scopus.com/record/display.uri?eid=2-s2.0-85079145283&origin=resultslist&sort=plf-f&cite=2-s2.0-84877628879&src=s&imp=t&sid=937a0ea58e478b286d09c0ac8ae99eb3&sot=cite&sdt=a&sl=0&relpos=0&citeCnt=0&searchTerm=	1+5,071 +1,755= 7,826	7,826
Prioteasa, P; Petica, A; Popa, M; Ilie, C; Visan, T., Electrochemical Deposition of Nickel for Micro-mechanical Systems, REVISTA DE CHIMIE, Volume: 62 Issue: 5 Pages: 543-548, Published: MAY 2011, Accession Number: WOS:000291275700012 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=16&doc=157 Citata de	1+1+1+1,81+ 2,612+3,119 = 6,608	10,541

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
Vorobjova, AI; Shimanovich, DL; Outkina, EA; Khodin, AA; Highly ordered porous alumina membranes for Ni-Fe nanowires fabrication, APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, Volume: 124 Issue: 1, Article Number: 23, DOI: 10.1007/s00339-017-1401-8, Published: JAN 2018 Journal Impact APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, Impact Factor= 1,81 in 2019. DOI: 10.1007/s00339-017-1401-8, Accession Number: WOS:000419725800023 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=43&SID=E2iRf2JsI4iBI3vsUkj&page=1&doc=2 Citata de Vorobjova, AI; Shimanovich, DL; Yanushkevich, KI; Prischepa, SL; Outkina, EA, Properties of Ni and Ni-Fe nanowires electrochemically deposited into a porous alumina template, BEILSTEIN JOURNAL OF NANOTECHNOLOGY Volume: 7, Pages: 1709-1717, DOI: 10.3762/bjnano.7.163 Published: NOV 14 2016 Journal Impact, BEILSTEIN JOURNAL OF NANOTECHNOLOGY, Impact Factor= 2,612 in 2019 DOI: 10.3762/bjnano.7.163, Accession Number: WOS:000388032900002 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=47&SID=E2iRf2JsI4iBI3vsUkj&page=1&doc=3 Citat de Alla Vorobjova, Daria Tishkevich, Dmitriy Shimanovich et al., The influence of the synthesis conditions on the magnetic behaviour of the densely packed arrays of Ni nanowires in porous anodic alumina membranes, DOI: 10.1039/D0RA07529A (Paper) RSC Adv., 2021, 11, 3952-3962, DOI: 10.1039/d0ra07529a, Accession Number: WOS:000615282100019, Impact factor = 3,119/2019 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=37&SID=E2iRf2JsI4iBI3vsUkj&page=1&doc=1		
Sava, V.; Ilie, C.; Popa, M.; Stanescu, S.; Rusu, MI.; Udrea, M., Optimisation of processing with excimer laser mask technique, OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, Volume: 5 Issue: 1-2 Pages: 99-102, Published: JAN 2011, Accession Number: WOS:000288625000021 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=17&doc=167 Citata de Sava, V; Mitran, TL; Socol, G; Antohe, S, SILICON SURFACE Structuring by xecl excimer laser irradiation in atmospheric conditions, DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES Volume: 8, Issue: 1, Pages: 61-68, Published: JAN-MAR 2013, Journal Impact DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES, 1,123 in 2013 Accession Number: WOS:000316441200007,	1+1,123 = 2,123	2,123

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=53&SID=E2iRf2JsI4iBI3vsUkj&page=1&doc=1		
Sava, V.; Ilie, C.; Popa, M.; Stoica, M.; Udrea, M., Excimer laser micro-machining optimization using beam homogenizers based optical system, ROMOPTO 2009: NINTH CONFERENCE ON OPTICS: MICRO- TO NANOPHOTONICS II, Edited by: Vlad, VI, Book Series: Proceedings of SPIE, Volume: 7469, Article Number: UNSP 74690U, DOI: 10.1117/12.859696, Published: 2010, Accession Number: WOS:000285573400030 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=19&doc=186 Citata de Jin, YH; Zhao, Y; Jiang, YJ; Microlens beam homogenizer for excimer laser processing, JOURNAL OF LASER APPLICATIONS, Volume: 28, Issue: 2, Article Number: 022601, DOI: 10.2351/1.4944448, Published: MAY 2016, Journal Impact, JOURNAL OF LASER APPLICATIONS Impact Factor=1.75 in 2016 DOI: 10.2351/1.4944448, Accession Number: WOS:000374165400065 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=CitingArticles&qid=58&SID=E2iRf2JsI4iBI3vsUkj&page=1&doc=1	1+1,75 = 2,597	2,75
Cristinel Ioan Ilie, Marius Popa, Paula Prioteasa, Nicolae Tanase Applications of liga technology for the development of micromechanical systems, U.P.B. Sci. Bull., Series D, Vol. 73, Iss. 2, 137-150, 2011 ISSN 1454-2358 https://www.scopus-com.am.e-nformation.ro/results/results.uri?sort=plf-f&src=s&st1=Ilie&st2=Cristinel&nlo=1&nlr=20&nls=count-f&sid=2bf129729432fe1159558f19c764de3e&sot=anl&sdt=aut&sl=41&s=AU-ID%28%22Ilie%2c+Cristinel+Ioan%22+36184311100%29&txGid=37e04af50f638ffeb343970a871610ed Citata de Sujeet Kumar Chaubey Neelesh Kumar Jain State-of-art review of past research on manufacturing of meso and micro cylindrical gears, Volume 51, January 2018, Pages 702-728 , Precision Engineering, DOI: 10.1016/j. precisioneng. 2017.07.014, Journal Metrics CiteScore: 3.36, Impact Factor: 3,108, DOI: 10.1016/j.precisioneng.2017.07.014, Accession Number: WOS:000418978200069 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=109&SID=E2iRf2JsI4iBI3vsUkj&page=1&doc=7 https://www.scopus.com/record/display.uri?eid=2-s2.0-85027102568&origin=resultslist&sort=plf-f&cite=2-s2.0-79958143231&src=s&imp=t&sid=d9df10ef80131e472d140c60ea406611&sot=cite&sdt=a&sl=0&relpos=1&citeCnt=9&searchTerm= citarea se regaseste la pozitia [19] pe https://www.sciencedirect.com/science/article/pii/S0141635917301174	1+3,108 = 4,108	4,108

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
Bunea Florentina, Gabriela Oprina, Gabriel Ciocan, Cristinel Ilie, Irina Pincovschi, <i>Aeration parameters optimization for an imposed energy consumption</i>, January 2009 Project: Innovative aeration system of the water used by hydraulic turbines, for preservation of the aquatic life https://www.researchgate.net/publication/235331925_Aeration_parameters_optimization_for_an_imposed_energy_consumption Citata de Florentina Bunea Adrian Nedelcu Dan Gabriel Ciocan, <i>Prediction of water aeration efficiency in high turbulent flow</i>, Aug 2017, DESALIN WATER TREAT August 2017 Desalination and water treatment 85:55-62 DOI: 10.5004/dwt.2017.20774, factor impact =1,383 in 2017/2018, DOI: 10.5004/dwt.2017.20774, Accession Number: WOS:000412882200007 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=63&SID=E2iRf2JsI4iBI3vsUkj&page=1&doc=8 Citata de Florentina Bunea Gabriel Dan Ciocan Dana Maria Bucur Georgiana Dunca, <i>Aeration Solution of Water Used by Hydraulic Turbines to Respect the Environmental Policies</i>, October 2014, DOI: 10.1109/ICEPE.2014.6970062 Published in: 2014 International Conference and Exposition on Electrical and Power Engineering (EPE) Accession Number: WOS:000353565300185, https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=63&SID=E2iRf2JsI4iBI3vsUkj&page=2&doc=20 Citata de Florentina Bunea Gabriel Dan Ciocan Gabriela Oprina Gheorghe Baran CA Babutanu, <i>Hydropower impact on water quality</i>, Sep 2010 ENVIRON ENG MANAG J, September 2010, Environmental engineering and management journal 9(11), Impact factor 2017: 1.334, in 2010 = 1,435, Ultimii 5 ani: 1.021, DOI: 10.30638/eemj.2010.195, Accession Number: WOS:000285557900001 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=63&SID=E2iRf2JsI4iBI3vsUkj&page=3&doc=27	1+1+1+ 1,383 + 1,334 = 5,717	
Tanase, N; Morega, AM; Nedelcu, A; Ilie, C., <i>Radial-Axial Passive Magnetic Bearing System - Numerical Simulation Aided Design Solutions</i>, 2015 9TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE), Book Group Author(s):IEEE, Pages: 566-572, Published: 2015, Document, Accession Number: WOS:000368159800108 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=11&doc=105 Citata de Zhu Jun; Song Dandan; Han Qiaoli; Wang Jinmei; Guanghua Li; Li Shaolong, <i>Optimization of T-shaped Suspension Magnetic Ring for Vertical Axis Wind Turbine</i>, Applied Computational Electromagnetics Society Journal . Jul2018, Vol. 33 Issue 7, p781-789. 9p. https://www.scopus.com/record/display.uri?eid=2-s2.0-85051669454&origin=resultslist&sort=plf-f&cite=2-s2.0-	1 = 1,48	

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
84939509308&src=s&imp=t&sid=af90526c6ac4adca813cd94b859af446&sot=cite&sdt=a&sl=0&relpos=0&citeCnt=1&searchTerm=		
Popescu, M; Tudor, E; Nicolaie, S; Ilie, CI ; Popovici, L; Dumitru, C, <i>Experimental Results Regarding Cogging Torque Reduction for the Permanent Magnet Synchronous Motors PMSM</i>, 2019 11TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE) Book Series: International Symposium on Advanced Topics in Electrical Engineering Published: 2019, Accession Number: WOS:000475904500169, https://ieeexplore.ieee.org/document/8725014; https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=1&SID=E1CDVURVA6a1tW79fG3&page=4&doc=37 https://www.scopus.com/results/results.uri?sort=plf-f&src=s&st1=Ilie&st2=Cristinel&nlo=1&nlr=20&nls=count-f&sid=5df104633ac8ddf0b5c4b6507e91b881&sot=anl&sdt=aut&sl=41&s=AU-ID%28%22Ilie%2c+Cristinel+Ioan%22+36184311100%29&cl=t&offset=1&origin=resultslist&ss=plf-f&ws=r-f&ps=r-f&cs=r-f&cc=10&txGid=3273c3c52aa1a2d9ceb872cec7f7da6a https://scholar.google.com/scholar?oi=bibs&hl=ro&cites=13141772693032178641 Citat de Stefan Leitner , Graduate Student Member, IEEE, Georg Krenn, Hannes Gruebler , and Annette Muetze, Rheometer-Based <i>Cogging and Hysteresis Torque and Iron Loss Determination of Sub-Fractional Horsepower Motors</i>, IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, VOL. 56, NO. 4, JULY/AUGUST 2020, impact factor 3,488, DOI: 10.1109/TIA.2020.2990876, Accession Number: WOS:000550744700039, https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=76&SID=E2iRf2JsI4iBI3vsUkj&page=1&doc=1 citarea se regaseste la pozitia [7] pe https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9079654 Citat de Adem Dalcali, <i>Cogging torque analysis in permanent magnet synchronous generators using finite elements analysis</i>, International Transaction on electrical Energy Systems, impact factor 1,692. First published: 18 August 2020, https://doi.org/10.1002/2050-7038.12588, https://onlinelibrary.wiley.com/doi/full/10.1002/2050-7038.12588 https://www.scopus.com/record/display.uri?eid=2-s2.0-85089550450&origin=resultslist&sort=plf-f&src=s&st1=Dalcali%2c+Adem&nlo=1&nlr=20&nls=count-f&sid=531dabad1308ceefe09ff0a8280dec6e&sot=anl&sdt=aut&sl=34&s=AU-ID%28%22Dalcali%2c+Adem%22+35728094900%29&relpos=1&citeCnt=0&searchTerm=	1+1+3,488	5,488
Cristinel Ilie, Constantin Daniel Comeaga, Octavian Dontu, G. Gheorghe, <i>Modeling, simulation and validation of a new dynamic balancing system based on magnetic interaction</i>	1	1

Cerința legală (condiții)	Dovada îndeplinirii cerinței legale	
January 2013, The Romanian Review Precision Mechanics, Optics & Mechatronics, 2013, No.43. https://www-scopus-com.am.e-nformation.ro/results/results.uri?sort=plf-f&src=s&st1=Ilie&st2=Cristinel&nlo=1&nlr=20&nls=count-f&sid=2bf129729432fe1159558f19c764de3e&sot=anl&sdt=aut&sl=41&s=AU-ID%28%22Ilie%2c+Cristinel+Ioan%22+36184311100%29&txGid=37e04af50f638ffeb343970a871610ed Citat de Ying Wang <i>Application of three - dimensional solid modeling of virtual reality technology in ship assembling</i>, International Journal of Mechatronics and Applied Mechanics, 2017, Issue 1 https://ijomam.com/wp-content/uploads/2017/02/33-38_APPLICATION-OF-THREE-DIMENSIONAL-SOLID-MODELING-OF-VIRTUAL-REALITY-TECHNOLOGY.pdf https://www.scopus.com/record/display.uri?eid=2-s2.0-85029813580&origin=resultslist&sort=plf-f&cite=2-s2.0-84881486573&src=s&imp=t&sid=8ebca17d7e51bdb47d700edf16d666d6&sot=cite&sdt=a&sl=0&relpos=0&citeCnt=1&searchTerm=		

Data 23.02.2021

Semnătura



Dr. ing. ILIE Cristinel Ioan

**FIȘA DE CALCUL ȘI DE SUSTINERE A ÎNDEPLINIRII STANDARDELOR MINIMALE
SPECIFICE DOMENIULUI, ÎN ACORD CU REALIZĂRILE MENȚIONATE
pentru
PROFESOR universitar**

Punctaj	Minim prevăzut pt. <i>Profesor</i>	Realizat pe întreaga activitate
A1. Activitatea didactică și profesională (DID)	Nu se aplica	Nu se aplica
A1.1=N1=N1.1+N1.2+N1.3	Nu se aplica	Nu se aplica
A1.2=N2=N2.1+N2.2+N2.3	Nu se aplica	Nu se aplica
A2. Activitate de cercetare științifică, dezvoltare tehnologică și inovare (CDI)	<u>22</u>	A2= A2.1+A2.2+ A2.3+A2.4+ A2.5= 69,7
A2.1=P1=P1.1+P1.2+P1.3+P1.4	6	A2.1=0,8+1,15+0+5,28 =7,23
A2.2=N3=N3.1+N3.2	10	A2.2=6+5 = 11
A2.3=P2.1+P2.2	-	A2.3=7,17+2,2+12,1+0 =21,47
A2.4=N4.1+N4.2	-	A2.4=16+12 = 28
A2.5=N4.3+N4.4	2	A2.5=2+0 = 2
A3. Recunoaștere și impactul activității (RIA)	<u>85</u>	A3=A3.1+A3.2+ A3.3= 1266,668
A3.1=S1+S2	50	A3.1=1180,6+0=1180,6
A3.2=N5	10	A3.2=33
A3.3=C	25	A3.3=53,068
TOTAL A1+A2+A3	<u>107</u>	A2+A3=1.336,368

Data 23.02.2021

Semnătura