

UNIVERSITATEA POLITEHNICA DIN BUCUREȘTI

FIȘA DE VERIFICARE A ÎNDEPLINIRII STANDARDELOR
DE PREZENTARE LA CONCURS [PROFESOR]

Candidat: Conf.dr.ing. Lucian-Gabriel PETRESCU

Post Nr. 5, Profesor, Departament de Electrotehnică / Fac. de Inginerie Electrică

Condiții	Îndeplinire condiții	
A. Doctor	Diploma de Doctor în domeniul Inginerie Electrică, Nr. 0000302, din 20.04.2010 emisă de Universitatea POLITEHNICA din București, OMECI nr. 3492 / 23.03.2010	
B. Îndeplinirea standardelor minime naționale conform OMENCS Nr. 6129 / 20.12.2016 [MO, I, 123 / 15.02.2017]	Standardele îndeplinite, conform Comisiei CNATDCU Nr. 9, Inginerie Electrică. Anexată: Fișa de calcul și de susținere a îndeplinirii standardelor minime specifice domeniului, în acord cu realizările menționate.	
Condiții minime [Punctaj]	Minim prevăzut	Realizat
A1. Activitate didactică și profesională	120	168,3
A2. Activitatea de cercetare	360	894,8
A3. Recunoașterea și impactul activității	120	2083,0
TOTAL (A)	600	3146,1
Condiții minime obligatorii pe subcategorii [Număr]	Minim prevăzut	Realizat
A.1.1. Cărți și capitole în cărți de specialitate	4	4
A.1.2. Suport didactic	4 (2)	11 (9)
A.1.2.1. Suport de curs (ca prim autor)	2 (1)	9 (8)
A.1.2.2. Îndrumare de laborator / aplicații (ca prim autor)	2 (1)	2 (1)
A.2.1. Articole în extenso în reviste cotate WOS Thomson-Reuters, în volume proceedings indexate WOS Thomson-Reuters și brevete de invenție indexate WOS-Derwent (ca prim autor / reviste)	10 (4/4)	51 (12/22)
A.2.2. Articole în reviste și în volumele ale unor manifestări științifice indexate în alte baze de date internaționale (BDI) (reviste)	20 (5)	27 (11)
A.2.4. Granturi câștigate prin competiție (director/responsabil)	2	2
A.3.1. Citări în reviste WOS și volumele conferințelor WOS	10	114
A.3.2. Citări în revistele BDI și volumele conferințelor BDI	20	86
C. Atestarea studiilor (diploma și Foi Matricole) și a altor realizări profesionale	Diploma de Licență, în domeniul Inginerie Electrică Nr. 3217 din 25.09.2003 emisă de Universitatea POLITEHNICA din București	
	Diploma de Master, Specializarea Magnetism Tehnic și Aplicat Nr. 253 din 12.01.2006 emisă de Universitatea POLITEHNICA din București	
	Alte Diplome.....	
	Alte certificate: Certificat de absolvire al Cursului Postuniversitar de Pregătire Psihopedagogică și Metodică, Nr. 589, din 01.06.2006 emis de Universitatea POLITEHNICA din București	
	Alte Acte de atestare a studiilor/realizărilor profesionale	

Subsemnatul Lucian-Gabriel PETRESCU, candidat la concursul pentru ocuparea postului de Profesor, poziția 5, Departamentul de Electrotehnică, Facultatea de Inginerie Electrică, din Domeniul de Studii Univ. Inginerie Electrică, arondat Comisiei de Specialitate CNATDCU [OMECTS 4106/10.06.2016] Nr. 9, declar pe propria răspundere, cunoscând prevederile art. 292 privind falsul în declarații, din Legea 286/2009 - Codul Penal, ca sunt îndeplinite toate Standardele minime prevăzute de Metodologia UPB 2018 pentru înscrierea la concurs, în momentul înscrierii la concurs, și susțin veridicitatea informațiilor prezentate în dosar și în materialul de mai sus. Lucrările considerate a fi incluse în Baza ISI Thomson Reuters Web of Science sau în alte Baze de Date Internaționale [BDI] sunt vizibile în aceste baze, în dreptul numelui candidatului, la aceasta data.

Candidat,

Data

15.05.2023

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ÎN CONTINUARE: Fișa de calcul și de susținere a îndeplinirii standardelor minime specifice domeniului, în acord cu realizările menționate

Domeniul de studii universitare: Inginerie electrică
 Criterii conform Ordin 6129/2016, Comisia nr. 9

ANEXĂ LA FIȘA JUSTIFICATIVĂ PRIVIND ÎNDEPLINIREA STANDARDDELOR MINIMALE
Conf. dr. ing. Lucian-Gabriel PETRESCU

A1 Activitatea didactica si profesionala						
Categorie	Nr. Subcategorie	Acronim din lista de lucrari	Nr.pag.	Nr. Autori	Punctaj	
Carti nationale cu ISBN/ capitol ca autor, didactice sau monografii	1.1.1.		nr.pag. / (5*nr.autori)			
		Cb1. L. Petrescu, V. Ioniță, E. Cazacu, <i>Materiale magnetice pentru sisteme electromagnetice</i> , Editura Matrix Rom, 2020, ISBN 978-606-25-0584-4, 180 pagini (Cod CNCISIS Editura 39)	180	3	12.0	
		Cb2. E. Cazacu, L. Petrescu, V. Ioniță, <i>Elemente de calitate și eficiență a energiei în instalațiile electrice moderne</i> , Editura Matrix Rom, 2020, ISBN 978-606-25-0564-6, 225 pagini (Cod CNCISIS Editura 39)	225	3	15.0	
		Cb3. E. Cazacu, L. Petrescu – <i>Expertiza sistemelor electrice industriale</i> , Editura Printech, București, 2014, ISBN 978-606-23-0231-3, 300 pagini (Cod CNCISIS Editura 54).	300	2	30.0	
		Cb4. V. Ioniță, V. Păltănea, Gh. Păltănea, L. Petrescu, G. Epureanu, A.D. Ioniță, <i>Caracterizarea avansată a materialelor magnetice</i> , Editura Politehnica Press, ISBN 973-606-515-023-2, 2009, 266 pagini (Cod CNCISIS Editura 19).	266	6	8.9	
Suport de curs inclusiv electronic	1.2.1.		nr pagini / (10*nr.autori)			
		Ca1. L. Petrescu, M.C. Petrescu, E. Cazacu, <i>Bazele Electrotehnicii – Elemente de teoria circuitelor electrice</i> , Editura Matrix Rom, 2020, ISBN 978-606-25-0543-1, 142 pagini (Cod CNCISIS Editura 39).	142	3	4.7	
		Ca2. L. Petrescu – <i>Bazele electrotehnicii - Elemente de teorie a câmpului electromagnetic</i> , Editura Politehnica Press, 2015, ISBN 978-606-515-625-8, 220 pagini (Cod CNCISIS Editura 19).	220	1	22.0	
		Ca3. E. Cazacu (coordonator), O. Drosu, G. Epureanu, L. Petrescu, V. Mănescu, G. Păltănea, R. Costea, V. Bucată – <i>Chestiuni speciale de teoria circuitelor electrice; Elemente de teorie și aplicații</i> , vol 1, Editura Matrix Rom, 2005, ISBN 973-685-925-8, 145 pagini (Cod CNCISIS Editura 39).	145	8	1.8	
		N1. L. Petrescu, <i>Electrotehnică - note de curs și aplicații pentru uzul studenților Facultății de Transporturi, Secția Material Rulant</i> , U.P.B., 2022 (76 pagini). https://curs.upb.ro/2022/course/view.php?id=7260	76	1	7.6	
		N2. L. Petrescu, <i>Electrotehnică - note de curs și aplicații pentru uzul studenților Facultății de Transporturi, Secția Autovehicule Rutiere - IIA</i> , U.P.B., 2022 (49 pagini). https://curs.upb.ro/2022/course/view.php?id=7258	49	1	4.9	
		N3. L. Petrescu, <i>Electrotehnică - note de curs și aplicații pentru uzul studenților Facultății de Transporturi, Secția Sistemelor de Propulsie pentru Autovehicule - IIB</i> , U.P.B., 2022 (49 pagini). https://curs.upb.ro/2022/course/view.php?id=7259	49	1	4.9	
		N4. L. Petrescu, <i>Bazele Electrotehnicii I- note de curs, pentru uzul studenților Facultății de Energetică</i> , U.P.B., 2022 (128 pagini). https://curs.upb.ro/2022/course/view.php?id=991	128	1	12.8	
		N5. L. Petrescu, <i>Bazele Electrotehnicii II - note de curs, pentru uzul studenților Facultății de Energetică</i> – Departamentul de Electrotehnică, Universitatea POLITEHNICA din București, 2021 (79 pagini). https://archive.curs.upb.ro/2021/course/view.php?id=1816	79	1	7.9	
		N6. L. Petrescu, <i>Prelucrarea asistată de calculator a datelor experimentale, pentru uzul studenților Facultății de Inginerie Electrică</i> – Departamentul de Electrotehnică, Universitatea POLITEHNICA din București, 2021 (102 pagini). https://curs.upb.ro/course/view.php?id=5837	102	1	10.2	
		N7. L. Petrescu, <i>Security and Functional Safety of Vehicle Electrical Systems (S.F.S.V.E.S.)</i> , pentru uzul studenților Facultății de Inginerie Electrică, Master ISEIA – Departamentul de Electrotehnică, Universitatea POLITEHNICA din București, 2022 (64 pagini). https://curs.upb.ro/2022/course/view.php?id=3776	64	1	6.4	
Indrumare de laborator/aplicatii	1.2.2.		nr pagini / (20*nr.autori)			
		I1. G. Epureanu, L. Petrescu, C. Popescu, <i>Teoria Circuitelor Electrice - Aplicații</i> , Editura MatrixRom, ISBN 978-973-755-660-8, 2010, 330 pagini (Cod CNCISIS Editura 39).	330	3	5.5	
		I2. L. Petrescu, G. Epureanu, <i>Probleme de Bazele Electrotehnicii (Partea I)</i> , Editura Printech, ISBN 978-973-718-841-0, 2007, 147 pagini (Cod CNCISIS Editura 54).	147	2	3.7	
Coordonare de programe de studii, organizare și coordonare programe continuă și proiecte educaționale (POS, ERAMUS, s.a.)	1.3.	Coordonare program master ISEIA (Facultatea de Ingineri Electrică)	1		10.0	
TOTAL A1					168.3	

A2. Activitatea de cercetare						
Categorie	Nr. Subcategorie	Acronim din lista de lucrari	Factor impact	Nr. Autori	Nr. Ani	Punctaj
Articole in extenso in reviste cotate si in volume proceedings indexate ISI Thomson- Reuters, brevete de inventie	2.1.		(25+20*factor impact) / nr.de autori			573.13
		Ris1. E. Cazacu, L-G. Petrescu, V. Ioniță, Smart Predictive Maintenance Device for Critical In-Service Motors , Energies 2022, 15, 4283, pp. 1-17, ISSN: 1996-1073, https://doi.org/10.3390/en15124283 , (IF: 3.252), WOS:000815968000001 .	3.252	3		30.01
		Ris2. Petrescu, L.-G.; Petrescu, M.-C.; Cazacu, E.; Constantinescu, C.-D., Estimation of Energy Losses in Nanocrystalline FINEMET Alloys Working at High Frequency , Materials 2021, 14, 7745, pp. 1-13, https://doi.org/10.3390/ma14247745 , ISSN 1996-1944, WOS: 000777827200001 .	3.748	4		24.99
		Ris3. L. Petrescu, A. Bordianu, V. Ioniță, E. Cazacu, M.C. Petrescu, Improved homogenization formul a used for soft magnetic composite materials , Revue Roumaine des Sciences Techniques – Série Electrotechnique et Énergétique, Ed. Academiei Române, tome 65, no. 1-2, p. 61 - 65, Bucarest, 2020, ISSN 0035-4066, WOS: 000552052900010 .	0.670	5		7.68
		Ris4. L. Petrescu, M.C. Petrescu, V. Ioniță, E. Cazacu and C. D. Constantinescu, Magnetic Properties of Manganese-Zinc Soft Ferrite Ceramic for High Frequency Applications , Materials 2019, 12 (19), 3173, pp. 1-12, https://doi.org/10.3390/ma12193173 , ISSN 1996-1944, WOS: 000493308500122 .	3.748	5		19.99
		Ris5. L. Petrescu, V. Ioniță, E. Cazacu, M.C. Petrescu, Power losses estimation for FeSi sheets using algebraic models , Revue Roumaine des Sciences Techniques – Série Electrotechnique et Énergétique, Ed. Academiei Române, tome 64, no. 1, p. 23 - 26, Bucarest, 2019, ISSN 0035-4066, WOS: 000464302300004 .	0.670	4		9.60
		Ris6. V. Ioniță, L. Petrescu, E. Cazacu, Improved estimation of iron losses for non-sinusoidal voltages , COMPEL - The international journal for computation and mathematics in electrical and electronic engineering, vol. 37, Iss. 5 pp. 1698 - 1706, 2018, ISSN: 0332-1649, https://doi.org/10.1108/COMPEL-12-2017-0527 , WOS:000448725000014 .	0.808	3		13.72
		Ris7. V. Ioniță, M. Codescu, E. Chițanu, L. Petrescu, E. Cazacu, Hysteresis modeling accuracy for soft magnetic nanopowders , Revue Roumaine des Sciences Techniques – Série Electrotechnique et Énergétique, Ed. Academiei Române, tome 63, no. 1, p. 11 - 14, Bucarest, 2018, ISSN 0035-4066, WOS: 000430897800002 .	0.670	5		7.68
		Ris8. E. Cazacu, V. Ioniță, L. Petrescu, Thermal Aging of Power Distribution Transformers Operating under Nonlinear and Balanced Load Conditions , Advances in Electrical and Electronic Engineering, vol. 16, no.1, pp. 92 - 100, 2018, DOI 10.15598/aeec.v16i1.2701, ISSN: 1336-1376 (Print), 1804-3119 (Online), WOS: 000429160100009 .	0.170	3		9.47
		Ris9. V. Ioniță, L. Petrescu, E. Cazacu, Effect of current harmonics on the hysteresis losses in soft magnetic materials , Revue Roumaine des Sciences Techniques – Série Electrotechnique et Énergétique, Ed. Academiei Române, tome 60, no. 4, p. 366 - 375, Bucarest, 2015, ISSN 0035-4066, WOS: 000365935800003 .	0.670	3		12.80

Ris10. L. Petrescu, E. Cazacu, V. Ioniță, High Frequencies Losses Prediction in Soft Magnetic Materials , Revue Roumaine des Sciences Techniques – Série Electrotechnique et Énergétique, Ed. Academiei Române, tome 60, no. 1, p. 49 - 58, Bucarest, 2015, ISSN 0035-4066, WOS: 000350923900006 .	0.670	3		12.80
Ris11. E. Cazacu, L. Petrescu, On-site derating of in-service power distribution transformers supplying nonlinear loads , Revue Roumaine des Sciences Techniques – Série Electrotechnique et Énergétique, Ed. Academiei Române, tome 59, no. 3, p. 259-268, Bucarest, 2014, ISSN 0035-4066, WOS:000341801300004 .	0.670	2		19.20
Ris12. E. Cazacu, V. Ioniță, L. Petrescu, Transformer inrush current predetermination for distorted waveform voltage supply , Revue Roumaine des Sciences Techniques – Série Electrotechnique et Énergétique, Ed. Academiei Române, tome 58, no. 3, pp. 342-351, Bucarest, 2013, ISSN 0035-4066, WOS:000324447900002 .	0.670	3		12.80
Ris13. L. Petrescu, A. Bordinu, V. Ioniță, Homogenization efficiency for composite materials in 2D magnostatic exterior problems , Rev. Roum. Sci. Techn. – Électrotech. et. Énerg., Ed. Academiei Române, tome 58, no. 2, Bucarest 2013, ISSN 0035-4066, pp. 135 – 144, WOS: 000320488100004 .	0.670	3		12.80
Ris14. V. Ioniță, L. Petrescu, A. Bordinu, O. Tabara, Efficient Use of Preisach Hysteresis Model in Computer Aided Design , Advanced in Electrical and Computer Engineering, volume 13, no. 2, 2013, ISSN 1582-7445, pp. 121 – 126, DOI: 10.4316/AECE.2013.02019, WOS: 000322179400019 .	0.825	4		10.38
Ris15. V. Ioniță, I. Covaliu, L. Petrescu, A. Bordinu, O. Tabara, Magnetic Characterization of the Fe3O4 nanoparticles used in biomaterials , Rev. Roum. Sci. Techn. – Électrotech. et. Énerg., Ed. Academiei Române, tome 57, no. 2, Bucarest 2012, ISSN 0035-4066, pp. 154 – 161, WOS: 000305202600005 .	0.670	5		7.68
Ris16. A. Bordinu, V. Ioniță, L. Petrescu, Micro-scale Numerical Simulation of the Magnetic Recording , Rev. Roum. Sci. Techn. – Électrotech. et. Énerg., Ed. Academiei Române, tome 57, no. 1, Bucarest 2012, ISSN 0035-4066, pp. 3 – 9, WOS: 000303096800001 .	0.670	3		12.80
Ris17. V. Ioniță, L. Petrescu, Magnetic Material Characterization by Open Sample Measurements , Rev. Roum. Sci. Techn. – Électrotech. et. Énerg., Ed. Academiei Române, tome 54, no. 1, Bucharest 2009, ISSN 0035-4066, pp. 87 – 94, WOS: 000264503000009 .	0.670	2		19.20
Ris18. C. Constantinescu, N. Scarisoreanu, A. Moldovan, M. Dinescu, L. Petrescu, G. Epureanu, Thin films of NdFeB deposited by PLD technique , Applied Surface Science, Vol. 253, no. 19, pp. 8192-8196, ISSN: 0169-4332, 2007, DOI: 10.1016/j.apsusc.2007.02.165 (IF: 7.392 - cotată Q1 - MATERIALS SCIENCE, COATINGS & FILMS, rang 1 din 19), WOS: 000249020500109 .	7.392	6		28.81
Ris19. L. Petrescu, Comparison between frequently used Hysteresis Models , Rev. Roum. Sci. Techn. – Électrotech. et. Énerg., Ed. Academiei Române, tome 52, no. 3, Bucarest 2007, ISSN 0035-4066, pp. 311 – 320, WOS: 000255783700005 .	0.670	1		38.40
Ris20. V. Ioniță, L. Petrescu, A. Razicichanu, Adjustable device for magnetic material investigation by Kerr microscopy , Int. Journal of Appl. Electromagnetics and Mechanics, Vol. 25, no. 1-4, ISSN 1383-5416, 2007, pp. 199 – 203, DOI: 10.3233/JAE-2007-782, WOS: 000248151100033 .	0.536	3		11.91
Ris21. V. Ioniță, L. Petrescu, Numerical Advanced Characterization of Recording Magnetic Media , JOAM, vol. 8, No. 3, June 2006, ROMSC 2005 (Iasi, ROU), ISSN 1454-4164, pp. 998-1000, WOS: 000238506500020 .	0.500	2		17.50
Vis1. E. Cazacu, L. Petrescu, V. Ioniță, A Simple and Low-Cost Equipment for Derating the Power Distribution Transformers Subjected to Distorted Operating Currents , 2021 9th International Conference on Modern Power Systems (MPS), 2021, pp. 1-6, doi: 10.1109/MPSS2805.2021.9492717, WOS: 000941563300110 .		3		8.33
Vis2. B. Chesca, V. Ioniță, L. Petrescu, E. Cazacu, M. -C. Petrescu, Numerical Analysis of Electrode-Pipeline System for Reducing the Corrosion Process , 2021 9th International Conference on Modern Power Systems (MPS), 2021, pp. 1-6, doi: 10.1109/MPSS2805.2021.9492634, WOS: 000941563300061 .		5		5.00
Vis3. L. Petrescu, M.-C. Petrescu, E. Cazacu, V. Ioniță, Risk Priority Number vs Action Priority in Electrical Systems , 2021 12th International Symposium on Advanced Topics in Electrical Engineering (ATEE), 2021, pp. 1-6, doi: 10.1109/ATEE52255.2021.9425178, WOS: 000676164800072 .		4		6.25
Vis4. V. Ioniță, L. Petrescu, E. Cazacu, Coils-Based Measurement System for Soft Magnetic Materials , 2021 12th International Symposium on Advanced Topics in Electrical Engineering (ATEE), 2021, pp. 1-5, doi: 10.1109/ATEE52255.2021.9425163, WOS: 000676164800063 .		3		8.33
Vis5. E. Cazacu, L. Petrescu, V. Ioniță, Ferroresonance Analysis of Particular Iron Core Transformers , 2021 12th International Symposium on Advanced Topics in Electrical Engineering (ATEE), 2021, pp. 1-6, doi: 10.1109/ATEE52255.2021.9425337, WOS: 000676164800163 .		3		8.33
Vis6. E. Cazacu, S. Pușcașu, A. Bordinu, L. Petrescu, The ferroresonance computation of single-phase small power transformers encountered in low-voltage electric installations , 2020 IEEE 21st International Conference on Computational Problems of Electrical Engineering (CPEE), Pińczów, Poland, 2020, pp. 1-4, doi: 10.1109/CPEE50798.2020.9238728, WOS: 000833404500025 .		4		6.25
Vis7. M. Bucur, G. Rosu, A. Bordinu, L. Petrescu, V. Ioniță, O. Baltag, Simplified Design of a Low Frequency Search Coil Magnetometer , 11th International Symposium on Advanced Topics in Electrical Engineering 11th ATEE 2019, 28th - 30th March 2019, Bucharest, ISBN 978-1-7281-0101-9, Pages: 1-6, DOI: 10.1109/ATEE.2019.8724978, WOS: 000475904500135 .		6		4.17
Vis8. V. Ioniță, L. Petrescu, E. Cazacu, Impact of Steinmetz Coefficients Variance for FeSi Laminate Magnetic Cores , 2018 International Symposium on Fundamentals of Electrical Engineering (ISFEE), Bucharest, Romania, 1-3 Nov. 2018, Electronic ISBN: ISBN: 978-1-5386-7212-9, USB ISBN: 978-1-5386-7211-2, Print on Demand(PoD) ISBN: 978-1-5386-7213-6, pp. 1-4, doi: 10.1109/ISFEE.2018.8742477, WOS: 000480396400070 .		3		8.33
Vis9. E. Cazacu, M.C. Petrescu, V. Ioniță, L. Petrescu, Nonsinusoidal load current effect on the electrical and thermal operating parameters of oil filled power distribution transformers , Proceeding on the 18th IEEE International Conference on Harmonics and Quality of Power (ICHQP), pp. 1 – 6, Ljubljana, 13-16 May 2018, Slovenia, e-ISBN 978-1-5386-0517-2, DOI: 10.1109/ICHQP.2018.8378838, WOS: 000444771900027 .		4		6.25
Vis10. V. Ioniță, E. Cazacu, L. Petrescu, Effect of voltage harmonics on iron losses in magnetic cores with hysteresis , Proceeding on the 18th IEEE International Conference on Harmonics and Quality of Power (ICHQP), pp. 1 – 5, Ljubljana, 13-16 May 2018, Slovenia, e-ISBN 978-1-5386-0517-2, DOI: 10.1109/ICHQP.2018.8378843, WOS: 000444771900032 .		3		8.33
Vis11. A. Păun, C. M. Vinga, F. M. Frigueria-Iliasa, D. Vatau, E. Cazacu, L. Petrescu, Study about the active power and energy losses of a 400V 57 kW asynchronous motor , 19th International Scientific Conference on Electric Power Engineering (EPE), Brno, Czech Republic, 2018, 16-18 May 2018, pp. 1-4, E-ISBN: 978-1-5386-4612-0, E-ISSN: 2376-5631, DOI: 10.1109/EPE.2018.8395951, WOS: 000439649500050 .		6		4.17
Vis12. E. Cazacu, L. Petrescu, V. Ioniță, Ferroresonance modes determination of single-phase toroidal transformers , 2017 15th International Conference on Electrical Machines, Drives and Power Systems (ELMA), Sofia, Bulgaria, 2017, pp. 358 - 361, DOI: 10.1109/ELMA.2017.7955463, WOS: 000413685000074 .		3		8.33
Vis13. E. Cazacu, L. Petrescu, V. Ioniță, Losses and temperature rise within power transformers subjected to distorted currents , 2017 15th International Conference on Electrical Machines, Drives and Power Systems (ELMA), Sofia, Bulgaria, 2017, pp. 362 - 365, DOI: 10.1109/ELMA.2017.7955464, WOS: 000413685000075 .		3		8.33
Vis14. V. Ioniță, E. Cazacu, L. Petrescu, E.-A. Pătroi, E. Manta, Improved prediction of hysteresis losses in electrical machine cores , 2017 International Conference on Modern Power Systems (MPS), 2017, Pages: 1 - 4, ISBN:978-1-5090-6565-3, DOI: 10.1109/MPS.2017.7974403, WOS: 000428462600033 .		5		5.00
Vis15. E. Cazacu, L. Petrescu, V. Ioniță, Flux-current description of some particular iron core devices , 2017 International Conference on Modern Power Systems (MPS), 2017, Pages: 1 - 4, ISBN:978-1-5090-6565-3, DOI: 10.1109/MPS.2017.7974373, WOS: 000428462600004 .		3		8.33
Vis16. L. Petrescu, E. Cazacu, V. Ioniță, C. Petrescu, Comparison between non-oriented silicon iron sheets used for electrical machine s , 10th International Symposium on Advanced Topics in Electrical Engineering ATEE 2017, 23th - 25th March 2017, Bucharest, ISBN 978-1-5090-5160-1, Pages: 524 - 528, DOI: 10.1109/ATEE.2017.7905174, WOS: 000403399400102 .		4		6.25
Vis17. L. Petrescu, B. Chesca, E. Cazacu, C. Petrescu, Planar transformer windings losses at different waveforms , 10th International Symposium on Advanced Topics in Electrical Engineering ATEE 2017, 23th - 25th March 2017, Bucharest, ISBN 978-1-5090-5160-1, Pages: 350 - 353, DOI: 10.1109/ATEE.2017.7905163, WOS: 000403399400068 .		4		6.25
Vis18. V. Ioniță, E. Cazacu, L. Petrescu, Remarks about the magnetic characterization of magnetite nanopowders , 10th International Symposium on Advanced Topics in Electrical Engineering ATEE 2017, 23th - 25th March 2017, Bucharest, ISBN 978-1-5090-5160-1, Pages: 369 - 372, DOI: 10.1109/ATEE.2017.7905176, WOS: 000403399400072 .		3		8.33
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		Vis21. L. Petrescu, E. Cazacu, C. Petrescu, Sigmoid Functions Used in Hysteresis Phenomenon Modeling, The 9th International Symposium on Advanced Topics in Electrical Engineering, ATEE 2015, 7th – 9th May 2015, Bucharest, ISBN 978-4673-8093-5, pp. 521 – 524, DOI:10.1109/ATEE.2015.7133863, WOS: 000368159800098. Vis22. E. Cazacu, V. Ioniță, L. Petrescu, Numerical and Experimental Investigations on the Energizing of Miniature Iron Core Transformers, The 9th International Symposium on Advanced Topics in Electrical Engineering, ATEE 2015, 7th – 9th May 2015, Bucharest, ISBN 978-4673-8093-5, pp. 170 – 175, DOI: 10.1109/ATEE.2015.7133759, WOS: 000368159800030. Vis23. A. Bordianu, L. Petrescu, V. Ioniță, Numerical testing of homogenization formulas efficiency for magnetic composite materials, Journal of Physics: Conference Series 585 (2015) 012003, IOP Publishing, ISSN 1742-6588, pp. 1-8, DOI: 10.1088/1742-6596/585/1/012003, WOS: 000352196800003. Vis24. L. Petrescu, E. Cazacu, V. Ioniță, C. Petrescu, Characterization of Soft Magnetic Materials in a Wide Range of Frequencies, International Symposium on Fundamentals of Electrical Engineering, ISFEE 2014, 28th-29th November 2014, Bucharest, ISBN: 978-1-4799-6820-6, pp.1-6, DOI: 10.1109/ISFEE.2014.7050630, WOS: 000380570500098. Vis25. E. Cazacu, L. Petrescu, Derating the three-phase power distribution transformers under nonsinusoidal operating conditions: A case study, Proceeding on the 16th IEEE International Conference on Harmonics and Quality of Power (ICHQP), pp. 488 – 492, Bucharest 25-28 May 2014, Romania, ISBN 978-1-4673-6487-4, ISSN 2164-0610, DOI:10.1109/ICHQP.2014.6842930, WOS:0003437761001001. Vis26. E. Cazacu, L. Petrescu, Magnetising inrush current of low-voltage iron core three phase power reactors, Proceeding on the 16th IEEE International Conference on Harmonics and Quality of Power (ICHQP), pp. 843 - 847, Bucharest 25-28 May 2014, Romania, ISBN 978-1-4673-6487-4, ISSN 2164-0610, DOI: 10.1109/ICHQP.2014.6842874, WOS:000343776100173. Vis27. E. Cazacu, V. Ioniță, L. Petrescu, An Improved Method for the Inrush Current Evaluation in Single Phase Power Transformers, Proceeding on the 8th International Symposium on Advanced Topics in Electrical Engineering, ISBN 978-1-4673-5979-5, Bucharest 23-25 May 2013, Romania, pp. 1 – 6, DOI:10.1109/ATEE.2013.6563390, WOS:000332928500044. Vis28. E. Cazacu, L. Petrescu, A Simple and Low-Cost Method for Miniature Power Transformers' Hysteresis Losses Evaluation, Proceeding on the 8th International Symposium on Advanced Topics in Electrical Engineering, ISBN 978-1-4673-5979-5, Bucharest 23-25 May 2013, Romania, 2013, pp. 1 – 4, DOI: 10.1109/ATEE.2013.6563452, WOS:000332928500106. Vis29. V. Ioniță, L. Petrescu, Computational errors in hysteresis Preisach modelling, „Mathematics in Industry, vol.11, (Scientific Computing in Electrical Engineering)”, Editors: G. Ciuprina, D. Ioan, Springer Verlag, Berlin, ISBN 978-3-540-71979-3, 2007, pp. 317 – 322, DOI: https://doi.org/10.1007/978-3-540-71980-9_34, WOS:000250107700034. B1. Brevet R0132277-A2/29.11.206 - H. Gavrila, A. Iorga, W. Kappel, E. Manta, A. Mija, G. Paltanea, V. Paltanea, D. Patroi, E.A. Patroi, I. Peter, L. Petrescu, G. Scutaru, Method for estimating the effect of sheet-metal cutting manner upon iron losses (Metoda de estimare a efectului modului de taiere prin stantare a tolelor asupra pierderilor in fier a masinilor electrice), Derwent Primary Accession Number: 2017-820437 (OSIM A/00335 – 11.05.2016)	3		8.33
			3		8.33
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Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale	2.2		20/nr.de autori		180.67
		Ris22. L. Petrescu, B.C. Cheșca, V. Ioniță, E. Cazacu, M.C. Petrescu, 3D Analysis of Pipeline with Cathodic Corrosion Protection, The Scientific Bulletin of Electrical Engineering Faculty, vol. 22, No. 2 (47), pp. 10 – 17, 2022, ISSN 2286-2455, DOI: 10.2478/sbeef-2022-0014. (Compindex, ProQuest, EBSCO, Index Copernicus). Ris23. E. Cazacu, D. Groșanu, L. Petrescu, Reactive power management in a grid-connected photovoltaic power station: A case-study, The Scientific Bulletin of Electrical Engineering Faculty, vol. 21, No. 2 (45), pp. 53 – 58, 2021, ISSN 2286-2455, DOI: 10.2478/sbeef-2021-0023. (Compindex, ProQuest, EBSCO, Index Copernicus). Ris24. L. Petrescu, E. Cazacu, M.C. Petrescu, Failure Mode and Effect Analysis in Automotive Industry: A Case Study, The Scientific Bulletin of Electrical Engineering Faculty, vol. 19, No. 2 (40), pp. 10 – 15, ISSN 2286-2455, DOI: https://doi.org/10.1515/sbeef-2019-0014. (Elsevier, Scopus, Compindex, ProQuest, EBSCO, Index Copernicus). Ris25. L. 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			6		3.33
			5		4.00
			3		6.67
			3		6.67

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			3		6.67	
			3		6.67	
			2		10.00	
			6		3.33	
			4		5.00	
			3		6.67	
			4		5.00	
Director/ responsabil - Granturi/proiecte naționale castigate prin competitie	2.4.1.		10*ani de desfasurare			
		Pn1. Proiect POC – Cercetare / Proiect Tehnologic Inovativ (PTI) – Sistem Inovativ de Protectie Anticoroziva Activa a Metalelor Alimentat de la Surse Regenerabile de Energie – SIPAMASRE, cod proiect SMIS 121611 (Contractor ICPE ACTEL) – Responsabil Partner P1 – U.P.B. (iunie 2020 – iunie 2023) http://www.poc.research.gov.ro/ro/articol/4322/evaluare-tehnico-financiara-pentru-proiectele-depuse-pe-actiunea-1-2-1-stimularea-cererii-intreprinderilor-pentru-inovare-tip-proiect-tehnologic-inovativ-coduri-apel-poc-163-1-3-i-poc-222-1-3 Pn2. Proiect de cercetare CEC de Inovare 203CI/25.07.2018 (PN-III-P2-2.1-CI-2018-1217) (ET.02.18.03) - Sistem Inteligent de Evaluare, Prelucrare și Analiză a Curenților de Conectare a Echipamentelor Electrice (SIEPACEE) autoritatea contractantă UEFISCDI, Contractor – UPB. https://uefiscdi.ro/resource-843097&wtok=d333aea2ae60cd5f1408583469228c983ff3e80c&wtkps=XY1BDolwEEXvMmvFDqWUDncwlp4Aa dXGSGofamK8uwUWRljzM/nv/YVkvQljjicXIDaEirOuJkyDsQJgtWQUoEERSkNmulaBtdHdJJP70L002XYtkXQZkt3mznxXUGUit/ONycQClZXq9eBYnajND60R200y5ZXuUVE9VCPJT72eSlgiNy5ltWLNT+j0FG8FtMu9EsuynvdrR6dyXx/yfUZztqHVNpusiVnTD7b1Dur3Bw==&wchk=cac5ac9eb12058d580d494688c374d821cfe7c7d5	3.0		30.00	
			0.5		5.00	
Membru in echipa - Granturi/proiecte naționale castigate prin competitie	2.4.2.	Internaționale	4*ani de desfasurare			
		Pi1. Nanostructured and amorphous magnetic alloys for high-frequency applications – Bilateral (Italo-Romanian) (2006 – 2009) (Director proiect: prof. Horia Gavrilă) Naționale Pn3. Sistem Inteligent de Mentenanță Predictivă a unor Echipamente Electrice Industriale Critice (CEC Inovare 204CI / 25.07.2018 – Director de Proiect – prof. Emil CAZACU) (2018) Pn4. Sistem Inteligent de Monitorizare Continuă și Denominare a Parametrilor Transformatoarelor de Distribuție în Regim Nesinusoidal (CEC Inovare 187CI / 25.07.2018 – Director de Proiect – prof. Emil CAZACU) (2018) Pn5. Predeterminarea pierderilor de energie pentru proiectarea îmbunătățită a miezurilor nanocompozite magnetice moi în aplicații având game extinse de frecvențe (ELIDEF) – Proiect Experimental Demonstrativ – PED70 (2017 – 2018) (Director de proiect: prof. Valentin IONITĂ) Pn6. Mașini electrice cu eficiență sporită, prin utilizarea unor soluții tehnice avansate, bazate pe predeterminarea proprietăților magnetice ale tolelor (MEF-MAG) – Parteneriate (2012 – 2016) (Director de proiect: prof. Horia GAVRILĂ) Pn7. Sistem micro - electro - mecanic cu aplicatii in reconstructia microchirurgicala a nervilor periferici (RECONNECT) – Parteneriate (2008 – 2011) (Director de proiect: prof. Horia GAVRILĂ) Pn8. Biochip microfluidic pentru caracterizarea reologica a fluidelor biologice ne-newtoniene cu aplicatii in diagnoza si tratament medical (MELANOCHIP) – Parteneriate (2008 – 2011) (Director de proiect: prof. Horia GAVRILĂ) Pn9. Dezvoltarea unor modele experimentale si numerice de caracterizare a materialelor magnetice cu histerezis (MATHYS) – proiect Ceex (2006 – 2008) (Director de proiect: prof. Valentin IONITA) Pn10. Aprofundarea cunoștințelor de spintronică prin dezvoltarea fizicii compuşilor Heusler ajustabili (ASPIDHA) – proiect Ceex (2005 – 2008) (Director de proiect: prof. Horia GAVRILĂ) Pn11. Metoda experimentală pentru studiul materialelor cu proprietăți magnetice prin efect magneto-optic KERR (MAGNE-KERR) – proiect Ceex (2005 – 2008) (Director de proiect: prof. Valentin IONITĂ) Pn12. Sistem microfluidic integrat pentru analiza in vitro a fluidelor biologice cu aplicații în diagnoză și tratament medical (MICRODIAG) – proiect Ceex (2005 – 2008) (Director de proiect: prof. Horia GAVRILĂ) Pn13. Cercetări fundamentale și aplicative integrate în domeniul materialelor multifuncționale nanostructurate (NANOCONS) – grant CNCIS (2005 – 2007) (Director de proiect: prof. Horia GAVRILĂ) Pn14. Analiza configurațiilor statice și dinamice de magnetizație în materiale magnetice prin efect magnetooptic - proiect CERES (2004 – 2006) (Director de proiect: prof. Valentin IONITĂ) Pn15. Mijloace de protecție complexă la interferența electromagnetică pe nave militare – proiect CERES (2004 – 2006) (Director de proiect: prof. Horia GAVRILĂ)			3.0	12.00
			2*ani de desfasurare		71.00	
				0.5	1.00	
				0.5	1.00	
				1.5	3.00	
				4.0	8.00	
				3.0	6.00	
				3.0	6.00	
				3.0	6.00	
				2.0	4.00	
				2.0	4.00	
				2.0	4.00	

		Pa16. Reducerea amprenteii magnetice a navei militare in scopul protectiei impotriva campurilor de mine marine-proiect CERES (2003 – 2005) (Director de proiect: prof. Horia GAVRILĂ)			2.0	4.00
		Pa17. Instalatii de conversie energetica neconventionala de mica putere, bazata pe integrarea unor materiale avansate si solutii tehnologice noi” – proiect RELANSIN (2003 – 2005) (Director de proiect: prof. Valentin IONIȚĂ)			2.0	4.00
		Pa18. Solutii noi de optimizare a ecradelor de protectie pentru radiatii electromagnetice neionizate in gama extinsa de frecventa 500 kHz – 10GHz – proiect CERES (2002 – 2004) (Director de proiect: prof. Horia GAVRILĂ)			2.0	4.00
Director/ responsabil - contracte de cercetare/consultanta (peste 2000 euro)	2.5.1.					15.00
		Pa1. Proiect de cercetare Mobilități Cercetători MC56/2017 (ET.02.17.10) (autoritatea contractantă UEFISCDI , Contractor – UPB), Director proiect: Lucian Petrescu. https://uefiscdi.gov.ro/resource-831397&wtok=9bd1bc40e7bed375a1e6390cd4e39a1fd315530a&wtks=XY9bDolwEEX3Mt+CTB+Awx6MiStAWgGhUkN5mBj3bkESo383k3PuzZSU0dOTJjiH1nooDCHjKYocC0+cwBsFIQkkEGmmUU9N6m0/15fDw1k/u6kelcx74Q86wtZ0TjaLEHgDnwouxZYqt50s5ZgRKHXvTuc9zxKWszyR+QKy4H4vO4YoOSjHvvbK1Tr+OZgQ/llsvKTX3ZBuTo1Wx66v41Ffia-UlSei57isB1M5C8XrDO==&wchkc=87437ff4b8113d60235a6af5e78fc69056a57e5			0.5	2.50
		Pa2. Analiza regulilor termic al dispozitivelor electromagnetice ce funcționează în regim periodic nesinusoidal - 79 / 26.09.2016 (GEX-UPB) – Director proiect (autoritatea contractantă UPB – Contractor: Lucian Petrescu, tip proiect: Grant Intern de Cercetare) http://www.upb.ro/files/evenimente/cercetare/2016/Rezultate_finale_granturi_UPB.pdf			1.0	5.00
		Pa3. Bursă postdoctorală în cadrul U.P.B. în cadrul proiectului “ExcelDOC – Excelență în cercetare prin burse doctorale și postdoctorale”, POSDRU/159/1.5/S/132397 - responsabil bursa			1.5	7.50
Membru - contracte de cercetare/consultanta (peste 2000 euro)	2.5.2.					8.00
		Pa4. Analiza numerică a miezului nanocompozit al unui transformator planar (proiect Gex-UPB 3/26.09.2017) (2017 – 2018) (Director de proiect: as. Maria-Cătălina PETRESCU). http://www.old.upb.ro/files/evenimente/cercetare/2017/Rezultate_Finale_UPB-GEX2017-final.pdf			1.0	2.00
		Pa5. Program strategic pentru promovarea inovării în servicii prin educație deschisă, continuă (INSEED) - POSDRU/86/1.2/S/57748 (2011 – 2013) – Expert pe termen lung. http://www.inseed.cimr.pub.ro/			3.0	6.00
TOTAL A2						894.8

A3. Recunoasterea si impactul activitatii

Categorie	Nr. Subcategorii	Acronim din dosar / detalii	Nr. Autori	Nr. Ani	Punctaj
Citări in reviste si volumele conferintelor ISI (114)	3.1.		5 / nr.autori ai art.citat		183.8
	ISI1	V. Ioniță, L. Petrescu, A. Bordanu, O. Tabara, Efficient Use of Preisach Hysteresis Model in Computer Aided Design , Advanced in Electrical and Computer Engineering, volume 13, no. 2, 2013, ISSN 1582-7445, pp. 121 – 126 citat in Y. Zhang, D. Dai, J. Zhang, X. Liu, X. Chen, A Novel Test Method for Real-time Magnetic Flux Measurement of Power Transformers, Advances in Electrical and Computer Engineering, Volume 19, Number 4, 2019, pp. 29 – 36, DOI: 10.4316/AECE.2019.04004, WOS:000500274700004.	4		1.3
	ISI2	V. Ioniță, L. Petrescu, A. Bordanu, O. Tabara, Efficient Use of Preisach Hysteresis Model in Computer Aided Design , Advanced in Electrical and Computer Engineering, volume 13, no. 2, 2013, ISSN 1582-7445, pp. 121 – 126 citat in Dimian, M, Andrei, P, <i>Scalar and vector hysteresis simulations using HysterSoft, Journal of Physics Conference Series</i> , vol. 585, Art.No. 012002, 2015, DOI: 10.1088/1742-6596/585/1/012002, WOS:000352196800002.	4		1.3
	ISI3	V. Ioniță, L. Petrescu, A. Bordanu, O. Tabara, Efficient Use of Preisach Hysteresis Model in Computer Aided Design , Advanced in Electrical and Computer Engineering, volume 13, no. 2, 2013, ISSN 1582-7445, pp. 121 – 126 citat in R. Campeanu, M. Cernat, <i>Two Speed Single Phase Induction Motor with Electronically Controlled Capacitance</i> , Advanced in Electrical and Computer Engineering, volume 14, no. 3, 2014, ISSN 1582-7445, pp. 137 – 140, WOS:000340869800018.	4		1.3
	ISI4	V. Ioniță, L. Petrescu, <i>Magnetic Material Characterization by Open Sample Measurements</i> , Rev. Roum. Sci. Techn. – Électrotech. et. Énerg, 54, 1, Bucharets 2009, ISSN 0035-4066, pp. 87 – 94 citat in AG. Rosu, G. Samoilescu, O. Baltag, Statistical approach of underwater magnetic field measurements of the naval magnetic signature, Rev. Roum. Sci. Techn. – Électrotech. et. Énerg, 63, 4, Bucharest 2018, ISSN 0035-4066, pp. 132– 137, WOS: 000438662400004.	2		2.5
	ISI5	V. Ioniță, L. Petrescu, <i>Magnetic Material Characterization by Open Sample Measurements</i> , Rev. Roum. Sci. Techn. – Électrotech. et. Énerg, 54, 1, Bucharets 2009, ISSN 0035-4066, pp. 87 – 94 citat in A.D. Ionita, A. Olteanu, <i>Domain Specific Models, Knowledge and Tools to Support Multiple Learning Styles for Engineering Students</i> , Rev. Roum. Sci. Techn. – Électrotech. et. Énerg, 59, 4, Bucharest 2014, ISSN 0035-4066, pp. 423– 432, WOS:000346950200009.	2		2.5
	ISI6	V. Ioniță, L. Petrescu, <i>Magnetic Material Characterization by Open Sample Measurements</i> , Rev. Roum. Sci. Techn. – Électrotech. et. Énerg, 54, 1, Bucharets 2009, ISSN 0035-4066, pp. 87 – 94 citat in I.V. Nemoianu, E. Cazacu, <i>Quasi-vertical permanent magnet levitation - analytical model and characterization</i> , Rev. Roum. Sci. Techn. – Électrotech. et. Énerg, 59, 1, Bucharest 2014, ISSN 0035-4066, pp. 13– 24, WOS:000333440000002.	2		2.5
	ISI7	V. Ioniță, L. Petrescu, <i>Magnetic Material Characterization by Open Sample Measurements</i> , Rev. Roum. Sci. Techn. – Électrotech. et. Énerg, 54, 1, Bucharets 2009, ISSN 0035-4066, pp. 87 – 94 citat in A. Olteanu, G. Stamatescu, A.D. Ionita, V. Sgarciu, <i>Enhanced Data Integration for LabVIEW Laboratory Systems</i> , 2013 8th International Symposium on Advanced Topics in Electrical Engineering (ATEE), 2013, ISSN 978-1-4673-5980-1; 978-1-4673-5979-5, WOS:000332928500189.	2		2.5
	ISI8	V. Ioniță, L. Petrescu, <i>Magnetic Material Characterization by Open Sample Measurements</i> , Rev. Roum. Sci. Techn. – Électrotech. et. Énerg, 54, 1, Bucharets 2009, ISSN 0035-4066, pp. 87 – 94 citat in G. Kustler, I.V. Nemoianu, E. Cazacu, <i>Theoretical and Experimental Investigation of Multiple Horizontal Diamagnetically Stabilized Levitation with Permanent Magnets</i> , IEEE Trans Mag, 12(48), 2012, WOS:000311793000013 , DOI: 10.1109/TMAG.2012.2204273.	2		2.5
	ISI9	C. Constantinescu, A. Purice, N. Scarisoreanu, A. Moldovan, M. Dinescu, L. Petrescu, G. Epureanu, <i>Thin films of NdFeB deposited by PLD technique</i> , Applied Surface Science, Vol. 253 (19), 2007, ISSN: 0169-4332 citat in M. Nakano, K. Takashima, A. Yamashita, T. Yanai, H. Fukunaga, Relationship between target materials and various properties of PLD-made isotropic Nd-Fe-B films, Journal of Magnetism and Magnetic Materials, 2020, pp. 1-19, https://doi.org/10.1016/j.jmmm.2020.166557 , WOS: 000521826900075.	7		0.7
	ISI10	C. Constantinescu, A. Purice, N. Scarisoreanu, A. Moldovan, M. Dinescu, L. Petrescu, G. Epureanu, <i>Thin films of NdFeB deposited by PLD technique</i> , Applied Surface Science, Vol. 253 (19), 2007, ISSN: 0169-4332 citat in K. Patel, J. Zhang , S. Ren, Rare-earth-free high energy product manganese-based magnetic materials, Nanoscale. 2018 Jul 5;10(25):11701-11718. doi: 10.1039/c8nr01847b, WOS: 000437761500001.	7		0.7
	ISI11	C. Constantinescu, A. Purice, N. Scarisoreanu, A. Moldovan, M. Dinescu, L. Petrescu, G. Epureanu, <i>Thin films of NdFeB deposited by PLD technique</i> , Applied Surface Science, Vol. 253 (19), 2007, ISSN: 0169-4332 citat in Liu Wf, Zhang MG, Zhang KW, Chai, YS, Microstructure and Magnetic Properties of NdFeB Films through Nd Surface Diffusion Process, Advances in Condensed Matter Physics Volume 2017 (2017), Article ID 4296243, 5 pages, DOI: 10.1155/2017/4296243, WOS: 000394013100001.	7		0.7
	ISI12	C. Constantinescu, A. Purice, N. Scarisoreanu, A. Moldovan, M. Dinescu, L. Petrescu, G. Epureanu, <i>Thin films of NdFeB deposited by PLD technique</i> , Applied Surface Science, Vol. 253 (19), 2007, ISSN: 0169-4332 citat in W.-F. Liu, M.-G. Z.hang, K.-W. Zhang, H.-J. Zhang, X.-H. Xu, Y.-S. Chai, <i>Effects of thickness and annealing condition on magnetic properties and thermal stabilities of Ta/Nd/NdFeB/Nd/Ta sandwiched films</i> , Chinese Physics B, Volume 25 (11), 2016, WOS:000390376900076 , DOI: 10.1088/1674-1056/25/11/117506.	7		0.7
	ISI13	C. Constantinescu, A. Purice, N. Scarisoreanu, A. Moldovan, M. Dinescu, L. Petrescu, G. Epureanu, <i>Thin films of NdFeB deposited by PLD technique</i> , Applied Surface Science, Vol. 253 (19), 2007, ISSN: 0169-4332 citat in Zhou, D., Zhang, YF, Ma, XB, Liu, SQ, Han, JZ, Zhu, MG., Wang, CS, Yang, JB.; <i>Preparation of Highly Textured Bi and MnBi Films by the Pulsed Laser Deposition Method</i> , CHINESE PHYSICS LETTERS, Vol. 32(2), Dec 2015, WOS:000366615500034 , DOI: 10.1088/0256-307X/32/12/127502.	7		0.7
	ISI14	C. Constantinescu, A. Purice, N. Scarisoreanu, A. Moldovan, M. Dinescu, L. Petrescu, G. Epureanu, <i>Thin films of NdFeB deposited by PLD technique</i> , Applied Surface Science, Vol. 253 (19), 2007, ISSN: 0169-4332 citat in Fu, YD , Wang, SY, Zhu, XS, Fang, B , Yan, F, <i>Influence of modulated structure on magnetic properties of NdFeB/Co multilayer thin films</i> , Journal of Central South University, vol. 22(9), pp. 3282-3286, Sep 2015, WOS:000360934000003 , DOI: 10.1007/s11771-015-2867-1.	7		0.7
	ISI15	C. Constantinescu, A. Purice, N. Scarisoreanu, A. Moldovan, M. Dinescu, L. Petrescu, G. Epureanu, <i>Thin films of NdFeB deposited by PLD technique</i> , Applied Surface Science, Vol. 253 (19), 2007, ISSN: 0169-4332 citat in Shiva, S., Shiva, S., Mishra, S. K., Paul, C. P., Kukreja, L. M., <i>Investigations on the influence of composition in the development of Ni-Ti shape memory alloy using laser based additive manufacturing</i> , OPTICS AND LASER TECHNOLOGY, vol. 69, pp. 44-51, June 2015, WOS:000350521400008 , DOI: 10.1016/j.optlastec.2014.12.014.	7		0.7

ISI16	C. Constantinescu, A. Purice, N. Scarisoreanu, A. Moldovan, M. Dinescu, L. Petrescu, G. Epureanu, <i>Thin films of NdFeB deposited by PLD technique</i> , Applied Surface Science, Vol. 253 (19), 2007, ISSN: 0169-4332 citatin H. Fukunaga, T. Kamikawatoko, M. Nakano, T. Yanai, F. Yamashita, <i>Effect of laser beam parameters on magnetic properties of Nd-Fe-B thick-film magnets fabricated by pulsed laser deposition</i> , Journal of Applied Physics, Vol. 109(7), ISSN: 0021-8979, 2011, WOS:0002899490000276 , DOI: 10.1063/1.3566080.	7		0.7
ISI17	C. Constantinescu, A. Purice, N. Scarisoreanu, A. Moldovan, M. Dinescu, L. Petrescu, G. Epureanu, <i>Thin films of NdFeB deposited by PLD technique</i> , Applied Surface Science, Vol. 253 (19), 2007, ISSN: 0169-4332 citatin Jo Ann Gan, C. C. Berndt, Design and manufacture of Nd-Fe-B thick coating by thermal spray process, Surface & Coating Technology, Vol. 205 (19), ISSN 0257-8972, http://dx.doi.org/10.1016/j.surfcoat.2011.04.034 , 2011, WOS: 000291897900051 .	7		0.7
ISI18	C. Constantinescu, A. Purice, N. Scarisoreanu, A. Moldovan, M. Dinescu, L. Petrescu, G. Epureanu, <i>Thin films of NdFeB deposited by PLD technique</i> , Applied Surface Science, Vol. 253 (19), 2007, ISSN: 0169-4332 citatin Q. Li, S.Y. Zhang, J.P. Wang, H. Gao, <i>Process analysis of MgO film on NdFeB magnet by sol-gel method</i> , Surface Engineering, Vol. 25 (8), ISSN: 0267-0844, 2009, WOS:000269757600006 , DOI: 10.1179/026708408X334131.	7		0.7
ISI19	C. Constantinescu, A. Purice, N. Scarisoreanu, A. Moldovan, M. Dinescu, L. Petrescu, G. Epureanu, <i>Thin films of NdFeB deposited by PLD technique</i> , Applied Surface Science, Vol. 253 (19), 2007, ISSN: 0169-4332 citatin Q. Li, H. Gao, J.P. Wang, S.Y. Zhang, <i>Effect of pretreatment on anticorrosive phosphating conversion coating of sintered NdFeB magnets</i> , Transactions of the Institute of Metal Finishing, Vol. 87 (1), ISSN: 0020-2967, 2009, WOS:000265316300008 .	7		0.7
ISI20	L. Petrescu, <i>Comparison between frequently used Hysteresis Models</i> , Rev. Roum. Sci. Techn. – Électrotech. et. Énerg., 52, 3, Bucharest 2007, ISSN 0035-4066, pp. 311 – 320 citatin A. Ounissi, A. Kaddouri, M. Salah Aggoun, R. Abdessemed, Second order sliding mode controllers of micropositioning stage piezoelectric actuator with colman-hodgdon model parameters, Revue Roumaine des Sciences Techniques – Série Electrotechnique et Énergétique, Ed. Academiei Române, tome 67, no. 1, p. 41 - 46, Bucarest, 2022, ISSN 0035-4066, WOS: 000820490200001 .	1		5.0
ISI21	L. Petrescu, <i>Comparison between frequently used Hysteresis Models</i> , Rev. Roum. Sci. Techn. – Électrotech. et. Énerg., 52, 3, Bucharest 2007, ISSN 0035-4066, pp. 311 – 320 citatin A. Ladjimi, A. Babouri, <i>Modeling of frequency effects in a Jiles-Atherton magnetic hysteresis model</i> , Revue Roumaine des Sciences Techniques – Série Electrotechnique et Énergétique, Ed. Academiei Române, tome 61, no. 3, p. 217 - 220, Bucarest, 2016, ISSN 0035-4066, WOS:000389158700002 .	1		5.0
ISI22	L. Petrescu, <i>Comparison between frequently used Hysteresis Models</i> , Rev. Roum. Sci. Techn. – Électrotech. et. Énerg., 52, 3, Bucharest 2007, ISSN 0035-4066, pp. 311 – 320 citatin V. Ionita, <i>Computation of Non-Sinusoidal Hysteresis Losses Using Standardized Measured Data</i> , International Symposium on Fundamentals of Electrical Engineering, ISFEE 2014, 28th-29th November 2014, Bucharest, ISBN: 978-1-4799-6820-6, pp.1-6, WOS:000380570500078 .	1		5.0
ISI23	L. Petrescu, <i>Comparison between frequently used Hysteresis Models</i> , Rev. Roum. Sci. Techn. – Électrotech. et. Énerg., 52, 3, Bucharest 2007, ISSN 0035-4066, pp. 311 – 320 citatin E. Cazacu, I.V. Nemoianu, Transient state characterization of small power transformers, Rev. Roum. Sci. Techn. – Électrotech. et. Énerg., 58, 4, Bucharest 2013, ISSN 0035-4066, pp. 385 – 394, WOS:000329262100006 .	1		5.0
ISI24	V. Ioniță, V. Păltănea, Gh. Păltănea, L. Petrescu, G. Epureanu, A.D. Ioniță, <i>Caracterizarea avansată a materialelor magnetice</i> , Editura Politehnica Press, ISBN 973-606-515-023-2, 2009, 266 pagini citatin A. Nicolaide, S. Oner, <i>Consideration on the Magnetisation Characteristics of the Soft Magnetic Materials</i> , Rev. Roum. Sci. Techn. – Électrotech. et. Énerg., 56, 4, Bucharest 2011, ISSN 0035-4066, pp. 349– 358, WOS:000297602500001 .	6		0.8
ISI25	V. Ioniță, V. Păltănea, Gh. Păltănea, L. Petrescu, G. Epureanu, A.D. Ioniță, <i>Caracterizarea avansată a materialelor magnetice</i> , Editura Politehnica Press, ISBN 973-606-515-023-2, 2009, 266 pagini citatin A. Nicolaide, S. Oner, <i>Determination of the Hysteresis Loop and Losses by the D.C. Test and Programming Facilities</i> , Rev. Roum. Sci. Techn. – Électrotech. et. Énerg., 56, 1, Bucharest 2011, ISSN 0035-4066, pp. 25 – 35, WOS:000289219900003 .	6		0.8
ISI26	E. Cazacu, L. Petrescu, <i>A Simple and Low-Cost Method for Miniature Power Transformers' Hysteresis Losses Evaluation</i> , Proceeding on the 8th International Symposium on Advanced Topics in Electrical Engineering, ISBN 978-1-4673-5979-5, Bucharest Bucharest 23-25 May 2013, Romania, 2013, pp. 1 – 4 citatin V. Ionita, <i>Computation of Non-Sinusoidal Hysteresis Losses Using Standardized Measured Data</i> , International Symposium on Fundamentals of Electrical Engineering, ISFEE 2014, 28th-29th November 2014, Bucharest, ISBN: 978-1-4799-6820-6, pp.1-6, WOS:000380570500078 .	2		2.5
ISI27	E. Cazacu, V. Ioniță, L. Petrescu, <i>Transformer inrush current predetermination for distorted waveform voltage supply</i> , Revue Roumaine des Sciences Techniques – Série Electrotechnique et Énergétique, Ed. Academiei Române, tome 58, no. 3, pp. 342-351, Bucarest, 2013, ISSN 0035-4066 citatin I.V. Nemoianu, <i>Study of the voltage frequency doubler with nonlinear iron core magnetic characteristic</i> , Revue Roumaine des Sciences Techniques – Série Electrotechnique et Énergétique, Ed. Academiei Române, tome 60, no. 2, pp. 123-132, Bucarest, 2015, ISSN 0035-4066, WOS:000355067400002 .	3		1.7
ISI28	E. Cazacu, L. Petrescu, <i>Magnetising inrush current of low-voltage iron core three phase power reactors</i> , Proceeding on the 16th IEEE International Conference on Harmonics and Quality of Power (ICHQP), pp. 843 - 847, Bucharest 25-28 May 2014, Romania, ISBN 978-1-4673-6487-4, ISSN 2164-0610 citatin XX. Zhang, <i>Transient Calculation of Electric Power Circuits with Special Reference to Magnetizing Nonlinearity</i> , J CIRCUIT SYST COMP, 25, 1650054 (2016). DOI: http://dx.doi.org/10.1142/S0218126616500547 , WOS:000377027200005	2		2.5
ISI29	E. Cazacu, L. Petrescu, <i>Magnetising inrush current of low-voltage iron core three phase power reactors</i> , Proceeding on the 16th IEEE International Conference on Harmonics and Quality of Power (ICHQP), pp. 843 - 847, Bucharest 25-28 May 2014, Romania, ISBN 978-1-4673-6487-4, ISSN 2164-0610 citatin V. Ionita, <i>Computation of Non-Sinusoidal Hysteresis Losses Using Standardized Measured Data</i> , International Symposium on Fundamentals of Electrical Engineering, ISFEE 2014, 28th-29th November 2014, Bucharest, ISBN: 978-1-4799-6820-6, pp.1-6, WOS:000380570500078 .	2		2.5
ISI30	L. Petrescu, E. Cazacu, V. Ioniță, <i>High Frequencies Losses Prediction in Soft Magnetic Materials</i> , Revue Roumaine des Sciences Techniques – Série Electrotechnique et Énergétique, Ed. Academiei Române, tome 60, no. 1 p. 49 - 58, Bucarest, 2015, ISSN 0035-4066 citatin L. Mandache, A. Marinescu, I. Dumbravă, <i>A High Frequency Current Transformer with Improved Low Frequency Current Capability</i> , Revue Roumaine des Sciences Techniques – Série Electrotechnique et Énergétique, Ed. Academiei Române, tome 65, no. 1-2, p. 53 - 59, Bucarest, 2020, ISSN 0035-4066, WOS: 000552052900009 .	3		1.7
ISI31	L. Petrescu, E. Cazacu, V. Ioniță, <i>High Frequencies Losses Prediction in Soft Magnetic Materials</i> , Revue Roumaine des Sciences Techniques – Série Electrotechnique et Énergétique, Ed. Academiei Române, tome 60, no. 1 p. 49 - 58, Bucarest, 2015, ISSN 0035-4066 citatin Bhattacharya, A., Sadhu, PK, Bhattacharya, A., Pal, N., <i>Voltage controlled hybrid resonant inverter-an essential tool for induction heated equipment</i> , Revue Roumaine des Sciences Techniques – Série Electrotechnique et Énergétique, Ed. Academiei Române, tome 61, no. 3, p. 273 - 277, Bucarest, 2016, ISSN 0035-4066, WOS:000389158700013 .	3		1.7
ISI32	L. Petrescu, E. Cazacu, V. Ioniță, <i>High Frequencies Losses Prediction in Soft Magnetic Materials</i> , Revue Roumaine des Sciences Techniques – Série Electrotechnique et Énergétique, Ed. Academiei Române, tome 60, no. 1 p. 49 - 58, Bucarest, 2015, ISSN 0035-4066 citatin Andrei, P.C., Caciula, I., Stanculescu, M., Vasilescu, G.-M., <i>FEM analysis of the magnetic field for B-H relationship evaluation</i> , International Symposium on Fundamentals of Electrical Engineering, ISFEE 2014, 28th-29th November 2014, Bucharest, ISBN: 978-1-4799-6820-6, pp.1-6, WOS:000380570500060 .	3		1.7
ISI33	E. Cazacu, V. Ioniță, L. Petrescu, <i>An Improved Method for the Inrush Current Evaluation in Single Phase Power Transformers</i> , Proceeding on the 8th International Symposium on Advanced Topics in Electrical Engineering, ISBN 978-1-4673-5979-5, Bucharest 23-25 May 2013, Romania, pp. 1 – 6 citatin V.V. Rajagopal Peesapati, Vinod Kumar Yadav, Niranjana Kumar, Assessment of Temporary Overvoltages During Network Lines Re-Energization, Advances in Electrical and Electronic Engineering, ISSN 1336-1376, Volume 14 – No. 3, September 2016, pp. 227 – 235, WOS: 000409032300002 .	3		1.7
ISI34	E. Cazacu, V. Ioniță, L. Petrescu, <i>An Improved Method for the Inrush Current Evaluation in Single Phase Power Transformers</i> , Proceeding on the 8th International Symposium on Advanced Topics in Electrical Engineering, ISBN 978-1-4673-5979-5, Bucharest 23-25 May 2013, Romania, pp. 1 – 6 citatin X. Zhang, <i>Transient Calculation of Electric Power Circuits with Special Reference to Magnetizing Nonlinearity</i> , J CIRCUIT SYST COMP, 25, 1650054 (2016). DOI: http://dx.doi.org/10.1142/S0218126616500547 , WOS:000377027200005 .	3		1.7
ISI35	E. Cazacu, V. Ioniță, L. Petrescu, <i>An Improved Method for the Inrush Current Evaluation in Single Phase Power Transformers</i> , Proceeding on the 8th International Symposium on Advanced Topics in Electrical Engineering, ISBN 978-1-4673-5979-5, Bucharest 23-25 May 2013, Romania, pp. 1 – 6 citatin K. Deželak, J. Pihler, <i>Artificial Neural Network as Part of a Saturation Level Detector within the Transformer's Magnetic Core</i> , IEEE Trans Mag, 99(PP), 1, 2015, WOS:000375026600046 , DOI: 10.1109/TMAG.2015.2512442.	3		1.7
ISI36	V. Ioniță, L. Petrescu, E. Cazacu, <i>Effect of current harmonics on the hysteresis losses in soft magnetic materials</i> , Revue Roumaine des Sciences Techniques – Série Electrotechnique et Énergétique, Ed. Academiei Române, tome 60, no. 4, p. 366 - 375, Bucarest, 2015, ISSN 0035-4066 citatin V. Jászfi, P. Raninger, J.M. Riedler, P. Prevedel, D.G. Mevec, Y. Godai, R. Ebner Introduction of a novel yoke-based electromagnetic measurement method with high temperature application possibilities, Journal of Magnetism and Magnetic Materials, 537, 168159, pp. 1-11, DOI: 10.1016/j.jmmm.2021.168159, WOS:000686204600003 .	3		1.7
ISI37	V. Ioniță, L. Petrescu, E. Cazacu, <i>Effect of current harmonics on the hysteresis losses in soft magnetic materials</i> , Revue Roumaine des Sciences Techniques – Série Electrotechnique et Énergétique, Ed. Academiei Române, tome 60, no. 4, p. 366 - 375, Bucarest, 2015, ISSN 0035-4066 citatin S. Boutora, H.D Bentarzi, Study of ferroresonance favorable cases in electric substations, Rev. Roum. Sci. Techn. – Électrotech. et. Énerg., 63, 4, Bucharest 2018, ISSN 0035-4066, pp. 359– 364, WOS: 000459843500002 .	3		1.7

ISI38	V. Ioniță, L. Petrescu, E. Cazacu, <i>Effect of current harmonics on the hysteresis losses in soft magnetic materials</i> , Revue Roumaine des Sciences Techniques – Série Electrotechnique et Énergétique, Ed. Academiei Române, tome 60, no. 4, p. 366 - 375, Bucarest, 2015, ISSN 0035-4066 cit in G. Rosu, G. Samoilescu, O. Baltag, Statistical approach of underwater magnetic field measurements of the naval magnetic signature, Rev. Roum. Sci. Techn. – Électrotech. et Énerg., 63, 4, Bucharest 2018, ISSN 0035-4066, pp. 132 - 137, WOS: 000438662400004 .	3	1.7
ISI39	V. Ioniță, L. Petrescu, E. Cazacu, <i>Effect of current harmonics on the hysteresis losses in soft magnetic materials</i> , Revue Roumaine des Sciences Techniques – Série Electrotechnique et Énergétique, Ed. Academiei Române, tome 60, no. 4, p. 366 - 375, Bucarest, 2015, ISSN 0035-4066 cit in A. Ladjimi, A. Babouri, <i>Modeling of frequency effects in a Jiles-Atherton magnetic hysteresis model</i> , Revue Roumaine des Sciences Techniques – Série Electrotechnique et Énergétique, Ed. Academiei Române, tome 61, no. 3, p. 217 - 220, Bucarest, 2016, ISSN 0035-4066, WOS:000389158700002 .	3	1.7
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BDI9	E. Cazacu, V. Ioniță, L. Petrescu, <i>An Improved Method for the Inrush Current Evaluation in Single Phase Power Transformers</i> , Proceeding on the 8th International Symposium on Advanced Topics in Electrical Engineering, ISBN 978-1-4673-5979-5, Bucharest 23-25 May 2013, Romania, pp. 1 – 6 citat in O.N.H. Areu, J.R. Guardarrama, R.P. Escobar, Measurement of inrush current in distribution transformers, Revista de Ingineria Energetica, 2017, mayo/agosto, vol XXXVIII, n. 2, p. 132-142, ISSN 1815-5901 (BDI - UlrichWeb) .	3	1.0
BDI10	E. Cazacu, V. Ioniță, L. Petrescu, <i>An Improved Method for the Inrush Current Evaluation in Single Phase Power Transformers</i> , Proceeding on the 8th International Symposium on Advanced Topics in Electrical Engineering, ISBN 978-1-4673-5979-5, Bucharest 23-25 May 2013, Romania, pp. 1 – 6 citat in E. Alibašić, P. Marić, S. Nikolovski, Transient Phenomena during the Three-Phase 300MVA Transformer Energization on the Transmission Network, International Journal of Electrical and Computer Engineering (IJECE), Vol. 6, No. 6, December 2016, pp. 2499-2505, ISSN: 2088-8708, DOI: 10.11591/ijece.v6i6.11406 (BDI - Scopus) .	3	1.0
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BDI26	G. Epureanu, L. Petrescu, C. Popescu, <i>Teoria Circuitelor Electrice - Aplicatii</i> , Ed. MatrixRom, Bucuresti, 2010 citat in C.I. Dumitrescu, M.O. Popescu, UPS Voltage Stabilization by Boost Converter Implementation, Electrotehnica, Electronica, Automatica (EEA); Bucharest Vol. 64, no. 2, pp. 71-75, Apr-Jun 2016, ISSN 1582-5175. (BDI: SCOPUS, INSPEC, Index Copernicus International, ProQuest)	3	1.0
BDI27	G. Epureanu, L. Petrescu, C. Popescu, <i>Teoria Circuitelor Electrice - Aplicatii</i> , Ed. MatrixRom, Bucuresti, 2010 citat in C.I. Dumitrescu, M.O. Popescu, Characteristics of Different UPS Topologies, in Electrotehnica, Electronica, Automatica (EEA), 2016, vol. 64, no. 4, pp. 102-105, ISSN 1582-5175. (BDI: SCOPUS, INSPEC, Index Copernicus International, ProQuest)	3	1.0

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BDI33	E. Cazacu, L. Petrescu, V. Ioniță, <i>Losses and temperature rise within power transformers subjected to distorted currents</i> , 2017 15th International Conference on Electrical Machines, Drives and Power Systems (ELMA), Sofia, Bulgaria, 2017, pp. 362 – 365 citati in A. Tjahjono, W.A. Septian, Rosmaliati, N.W. Rika, T. Taufik, Modeling the Temperature of the Distribution Transformer Oil Using Transformer Body Temperature and Power Quality Parameters Based on Artificial Neural Network, International Conference on Technologies and Policies in Electric Power & Energy, 2019, DOI: 10.1109/IEEECONF48524.2019.9102485 (BDI - IEEEExplore) .	3	1.0
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BDI35	E. Cazacu, L. Petrescu, V. Ioniță, <i>Losses and temperature rise within power transformers subjected to distorted currents</i> , 2017 15th International Conference on Electrical Machines, Drives and Power Systems (ELMA), Sofia, Bulgaria, 2017, pp. 362 – 365 citati in T. Chegsakul, T. Tayjanasant, An impact of harmonic currents, load levels and ambient temperatures on transformer loss of life, 2019 2nd International Conference on Clean Energy and Electrical Systems, IOP Conf. Series: Journal of Physics: Conf. Series 1311 (2019) 012047, doi:10.1088/1742-6596/1311/1/012047 (BDI - Scopus) .	3	1.0
BDI36	E. Cazacu, L. Petrescu, V. Ioniță, <i>Losses and temperature rise within power transformers subjected to distorted currents</i> , 2017 15th International Conference on Electrical Machines, Drives and Power Systems (ELMA), Sofia, Bulgaria, 2017, pp. 362 – 365 citati in C.-I. Nicola, M. Nicola, D. Sacerdotianu, M. Dută, I. Hurezeanu, Automatic System for Temperature Rise Test in Power Transformers, International Journal on Engineering Applications (I.R.E.A.), Vol. 7, N. 2, ISSN 2281-2881, March 2019, pp. 40 – 51, https://doi.org/10.15866/irea.v7i2.17002 (BDI - Scopus, Index Copernicus, EbSCO)	3	1.0
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BDI38	E. Cazacu, L. Petrescu, V. Ioniță, <i>Losses and temperature rise within power transformers subjected to distorted currents</i> , 2017 15th International Conference on Electrical Machines, Drives and Power Systems (ELMA), Sofia, Bulgaria, 2017, pp. 362 – 365 citati in H. Zulkarnaen, S. Hasan, Suherman, Condition Monitoring of Distribution Transformers, 2nd Nommensen International Conference on Technology and Engineering, IOP Conf. Series: Materials Science and Engineering, 19–20 July 2018, Medan, Indonesia, 420 (2018) ID012049, doi:10.1088/1757-899X/420/1/012049 (BDI - Scopus) .	3	1.0
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BDI43	L. Petrescu, V. Ioniță, E. Cazacu, C. Petrescu, <i>Steinmetz' parameters fitting procedure for the power losses estimation in soft magnetic materials</i> , 2017 International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) & 2017 Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP), 2017, Pages: 208 – 213 citati in Wisayahyadil, A. Y. Manurung, M. Munir, J. Furqani and A. Rizqiawan, New Single-Phase Voltage Source Inverter Based on Modified Cuk Cell with High Efficiency, 2022 5th International Conference on Power Engineering and Renewable Energy (ICPERE), Bandung, Indonesia, 2022, pp. 1-5, doi: 10.1109/ICPERE56870.2022.10037354 (BDI: IEEE Xplore) .	4	0.8
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BDI47	E. Cazacu, V. Ionita, L. Petrescu, <i>Thermal Aging of Power Distribution Transformers Operating under Nonlinear and Balanced Load Conditions</i> , Advances in Electrical and Electronic Engineering, vol. 16, no.1, pp. 92 - 100, 2018, DOI 10.15598/aeec.v16i1.2701, ISSN: 1336-1376 (Print), 1804-3119 (Online), WOS: 000429160100009 citati in S. Wang, X. Li, R. Zhang, Z. Sha, Z. Wu and Q. Zhang, Thermal Distribution Characteristics Related to the Transformer Fine Structure Predicted by CFD-based Spline Interpolation, in IEEE Transactions on Dielectrics and Electrical Insulation, 2022, doi: 10.1109/TDEI.2022.3233340 (BDI: IEEE Xplore) .	3	1.0

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BDI49	E. Cazacu, V. Ionita, L. Petrescu, <i>Thermal Aging of Power Distribution Transformers Operating under Nonlinear and Balanced Load Conditions</i> , Advances in Electrical and Electronic Engineering, vol. 16, no.1, pp. 92 - 100, 2018, DOI 10.15598/aeve.v16i1.2701, ISSN: 1336-1376 (Print), 1804-3119 (Online), WOS: 000429160100009 citat in M. Plenis, T. Deveikis, A. Jonaitis and D. Pefitsis, Research of current harmonics' impact on energy losses in distribution power transformers, 2021 IEEE 62nd International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 2021, pp. 1-7, doi: 10.1109/RTUCON53541.2021.9711592 (BDI: IEEE Xplore) .	3	1.0
BDI50	E. Cazacu, V. Ionita, L. Petrescu, <i>Thermal Aging of Power Distribution Transformers Operating under Nonlinear and Balanced Load Conditions</i> , Advances in Electrical and Electronic Engineering, vol. 16, no.1, pp. 92 - 100, 2018, DOI 10.15598/aeve.v16i1.2701, ISSN: 1336-1376 (Print), 1804-3119 (Online), WOS: 000429160100009 citat in I. Kostjukov, Measurement of Dissipation Factor of Inner Layers of Insulation in Three-Core Belted Cables, Lighting Engineering & Power Engineering, 60(1), 23-30. (BDI - Index Copernicus) .	3	1.0
BDI51	E. Cazacu, V. Ionita, L. Petrescu, <i>Thermal Aging of Power Distribution Transformers Operating under Nonlinear and Balanced Load Conditions</i> , Advances in Electrical and Electronic Engineering, vol. 16, no.1, pp. 92 - 100, 2018, DOI 10.15598/aeve.v16i1.2701, ISSN: 1336-1376 (Print), 1804-3119 (Online), WOS: 000429160100009 citat in M. A. Adam, Y. Mohamad, A. I. Tolago, Analysis of the influence of loading on age of use of transformers in Botupingge substation, 2021 IOP Conf. Ser.: Mater. Sci. Eng., 1098, 042039, pp. 1 - 6, doi:10.1088/1757-899X/1098/4/042039 (BDI - Scopus) .	3	1.0
BDI52	E. Cazacu, V. Ionita, L. Petrescu, <i>Thermal Aging of Power Distribution Transformers Operating under Nonlinear and Balanced Load Conditions</i> , Advances in Electrical and Electronic Engineering, vol. 16, no.1, pp. 92 - 100, 2018, DOI 10.15598/aeve.v16i1.2701, ISSN: 1336-1376 (Print), 1804-3119 (Online), WOS: 000429160100009 citat in Z. I. M. Yassin, D. M. Said, N. Ahmad, NN Nik Abd Malik, H. Abdullah, Impact of unbalanced harmonic loads towards winding temperature rise using FEM modeling, Indonesian Journal of Electrical Engineering and Informatics (IJEI), Vol. 8, No. 2, June 2020, pp. 409-418 ISSN: 2089-3272, DOI: 10.11591/ijeiv8i2.1283 (BDI - Scopus) .	3	1.0
BDI53	E. Cazacu, V. Ionita, L. Petrescu, <i>Thermal Aging of Power Distribution Transformers Operating under Nonlinear and Balanced Load Conditions</i> , Advances in Electrical and Electronic Engineering, vol. 16, no.1, pp. 92 - 100, 2018, DOI 10.15598/aeve.v16i1.2701, ISSN: 1336-1376 (Print), 1804-3119 (Online), WOS: 000429160100009 citat in H. P. Harahap, B. Oktrialdi, Harmonisa in defibrillator equipment (DC Shock)using simulink Matlab, 2020 IOP Conf. Ser.: Mater. Sci. Eng., 821, 012025, doi:10.1088/1757-899X/821/1/012025 (BDI - Scopus) .	3	1.0
BDI54	E. Cazacu, V. Ionita, L. Petrescu, <i>Thermal Aging of Power Distribution Transformers Operating under Nonlinear and Balanced Load Conditions</i> , Advances in Electrical and Electronic Engineering, vol. 16, no.1, pp. 92 - 100, 2018, DOI 10.15598/aeve.v16i1.2701, ISSN: 1336-1376 (Print), 1804-3119 (Online), WOS: 000429160100009 citat in H. Nafis, Investigation on Distribution Transformer Loss of Life due to Plug-In Hybrid Electric Vehicles Charging, 2018, International Journal of Ambient Energy, pp. 1-19, DOI: 10.1080/01430750.2018.1563816. (BDI - Scopus, Inspec)	3	1.0
BDI55	E. Cazacu, V. Ionitã, L. Petrescu, <i>An efficient method for investigating the ferroresonance of single-phase iron core devices</i> , 10th International Symposium on Advanced Topics in Electrical Engineering ATEE 2017, 23th - 25th March 2017, Bucharest, ISSN 978-1-5090-5160-1, Pages: 363 - 368, DOI: 10.1109/ATEE.2017.7905167, WOS:000403399400071 citat in Y. Bajda, O. Grechko, V. Buhaiichuk, R. Knápek, To the Problem of Protection of Medium Voltage Instrument Transformers with Fuses: Analytical Research, Lighting Engineering & Power Engineering, 2021, Vol. 60, No. 3, 92-102, DOI: 10.33042/2079-424X.2021.60.3.02. (BDI: Index Copernicus)	3	1.0
BDI56	E. Cazacu, V. Ionitã, L. Petrescu, <i>An efficient method for investigating the ferroresonance of single-phase iron core devices</i> , 10th International Symposium on Advanced Topics in Electrical Engineering ATEE 2017, 23th - 25th March 2017, Bucharest, ISSN 978-1-5090-5160-1, Pages: 363 - 368, DOI: 10.1109/ATEE.2017.7905167, WOS:000403399400071 citat in S. J. Kruger, J. A. de Kock, Ferroresonance: A Review of the Phenomenon and Its Effects, 2021 Southern African Universities Power Engineering Conference/Robotics and Mechatronics/Pattern Recognition Association of South Africa (SAUPEC/RobMech/PRASA), Potchefstroom, South Africa, 2021, pp. 1-6, doi: 10.1109/SAUPEC/RobMech/PRASA52254.2021.9377238. (BDI: IEEE Xplore)	3	1.0
BDI57	E. Cazacu, V. Ionitã, L. Petrescu, <i>An efficient method for investigating the ferroresonance of single-phase iron core devices</i> , 10th International Symposium on Advanced Topics in Electrical Engineering ATEE 2017, 23th - 25th March 2017, Bucharest, ISSN 978-1-5090-5160-1, Pages: 363 - 368, DOI: 10.1109/ATEE.2017.7905167, WOS:000403399400071 citat in A. Ahmaddpour, S. S. Shenava, A. Dejamkhoo, E. Mokaramian, Electromagnetic Force Analysis of Transformer on the Ferroresonance due to Consecutive 3-Phase Short-Circuit Faults Using Finite Element Method (FEM), Journal of Intelligent Procedures in Electrical Technology, Vol. 11, No. 41, 2020, pp. 47 - 60 (BDI - Index Copernicus) .	3	1.0
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BDI59	E. Cazacu, L. Petrescu, <i>Derating the three-phase power distribution transformers under nonsinusoidal operating conditions: A case study</i> , Proceeding on the 16th IEEE International Conference on Harmonics and Quality of Power (ICHQP), pp. 488 - 492, Bucharest 25-28 May 2014, Romania, ISBN 978-1-4673-6487-4, ISSN 2164-0610, DOI:10.1109/ICHQP.2014.6842930, WOS: 0003437761001001 citat in S. Kul and S. Sungur Tezcan, Comparison of FEA-based thermal and loss analyses of the dry-type transformer using different grades of core material, Electrica, November 12, 2022. DOI: 10.5152/electrica.2022.22003 (BDI - Scopus, Index Copernicus, EBSCO) .	2	1.5
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BDI61	E. Cazacu, L. Petrescu, <i>Derating the three-phase power distribution transformers under nonsinusoidal operating conditions: A case study</i> , Proceeding on the 16th IEEE International Conference on Harmonics and Quality of Power (ICHQP), pp. 488 - 492, Bucharest 25-28 May 2014, Romania, ISBN 978-1-4673-6487-4, ISSN 2164-0610, DOI:10.1109/ICHQP.2014.6842930, WOS: 0003437761001001 citat in A. Laso, R. Martínez, M. Manana, D. Cervero, J.A. Sáez, A comparative between IEEE and EN in the transformer derating when supplying nonsinusoidal load current. A practical case, Renewable Energy and Power Quality Journal (RE&PQJ), Vol. No.18, June 2020, pp. 747 - 752, https://doi.org/10.24084/repqj18.487 (BDI - Scopus) .	2	1.5
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	BDI76	L. Petrescu, M.C. Petrescu, V. Ioniță, E. Cazacu and C. D. Constantinescu, <i>Magnetic Properties of Manganese-Zinc Soft Ferrite Ceramic for High Frequency Applications</i> , Materials 2019, 12 (19), 3173, pp. 1-12, https://doi.org/10.3390/ma12193173 citat in K. D. Martinsona, V. E. Belyakh, D. D. Sakhnob, M. I. Chebanenkoa, and I. B. Panteleevb, Mn–Zn Ferrite Nanoparticles by Calcining Amorphous Products of Solution Combustion Synthesis: Preparation and Magnetic Behavior, International Journal of Self-Propagating High-Temperature Synthesis, 2022, Vol. 31, No. 1, pp. 17–23, DOI: 10.3103/S106138622201006X (BDI: Scopus) .	5		0.6
	BDI77	L. Petrescu, M.C. Petrescu, V. Ioniță, E. Cazacu and C. D. Constantinescu, <i>Magnetic Properties of Manganese-Zinc Soft Ferrite Ceramic for High Frequency Applications</i> , Materials 2019, 12 (19), 3173, pp. 1-12, https://doi.org/10.3390/ma12193173 citat in K. Klimov, A.S., Bakeev, I. Y, Zenin, A. A. Electron beam sintering of Mn-Zn ferrites using a forevacuum plasma electron source, Journal of Physics Conference Series 2064(1):012050, Nov. 2021, pp. 1-6, 10.1088/1742-6596/2064/1/012050. (BDI: INSPEC, EBSCO) .	5		0.6
	BDI78	L. Petrescu, M.-C. Petrescu, E. Cazacu. V. Ionita, <i>Risk Priority Number vs Action Priority in Electrical Systems</i> , 2021 12th International Symposium on Advanced Topics in Electrical Engineering (ATEE), 2021, pp. 1-6, doi: 10.1109/ATEE52255.2021.9425178 citat in E. Kulcsár, I.G. Gyurika, T. Csiszér, Increasing the Reliability of FMEA Evaluation by Modifying Rating Scales and Applying Pairwise Comparison Method, IOP Conf. Series: Materials Science and Engineering 1190 (2021) 012003, pp. 1-9, doi:10.1088/1757-899X/1190/1/012003, 2021. (BDI: INSPEC, EBSCO) .	4		0.8
	BDI79	A. Paun, C. M. Vinga, F. M. Frigura-Iliasa, D. Vatau, E. Cazacu, L. Petrescu, <i>Study about the active power and energy losses of a 400V 57 kW asynchronous motor</i> , 19th International Scientific Conference on Electric Power Engineering (EPE), 2018, 16-18 May 2018, pp. 1-4, DOI: 10.1109/EPE.2018.8395951, WOS:000439649500050 citat in N. Krasnoshapka and M. Pushkar, Magnetization of the Magnetic Circuit of an Induction Motor with Massive End Ferromagnetic Screens, 2021 IEEE 3rd Ukraine Conference on Electrical and Computer Engineering (UKRCON), 2021, pp. 349-352, doi: 10.1109/UKRCON53503.2021.9575989. (BDI: IEEE Xplore) .	6		0.5
	BDI80	L. Petrescu, E. Cazacu, M.C. Petrescu, <i>Failure Mode and Effect Analysis in Automotive Industry: A Case Study</i> , The Scientific Bulletin of Electrical Engineering Faculty, vol. 19, No. 2 (40), pp. 10 – 15, 2019 citat in K. Berladir, J. Trojanowska, V. Ivanov, I. Pavlenko, Materials Selection in Product Development: Challenges and Quality Management Tools in: Hamrol, A., Grabowska, M., Maletić, D. (eds) Advances in Manufacturing III. MANUFACTURING 2022. Lecture Notes in Mechanical Engineering. Springer, Cham, https://doi.org/10.1007/978-3-031-00218-2_7 (BDI: Springerlink) .	3		1.0
	BDI81	M.C. Petrescu, L. Petrescu, E. Cazacu, <i>Influence of planar transformer windings interleaving on parasitic parameters</i> , Electrotehnică, Electronică, Automatică, EEA, vol. 66, no. 2, 2018, ISSN: 1582-5175, pp. 45 – 50 citat in W. Yao, J. Lu, F. Taghizadeh, F. Bai, A. Seagar, Integration of SiC Devices and High-Frequency Transformer for High-Power Renewable Energy Applications, Energies 2023, 16, 1538. https://doi.org/10.3390/en16031538 (BDI: EBSCO, ProQuest) .	3		1.0
	BDI82	M.C. Petrescu, L. Petrescu, E. Cazacu, <i>Influence of planar transformer windings interleaving on parasitic parameters</i> , Electrotehnică, Electronică, Automatică, EEA, vol. 66, no. 2, 2018, ISSN: 1582-5175, pp. 45 – 50 citat in J. S. McLean, Guanella Transformer/Balun Implemented with Planar Transformer Technology, 2022 IEEE Texas Symposium on Wireless and Microwave Circuits and Systems (WMCS), 2022, pp. 1-6, doi: 10.1109/WMCSS5582.2022.9866125. (BDI: IEEE Xplore) .	3		1.0
	BDI83	E. Cazacu, L. Petrescu, V. Ioniță, <i>Ferroresonance Analysis of Particular Iron Core Transformers</i> , 2021 12th International Symposium on Advanced Topics in Electrical Engineering (ATEE), 2021, pp. 1-6, doi: 10.1109/ATEE52255.2021.9425337, WOS:000676164800163 citat in R.S. Pal, M. Roy, Verification of Period-Doubling Behavior of Ferroresonance Circuit with the Jacobian Matrix and Eigenvalues, J. Inst. Eng. India Ser. B (2022). https://doi.org/10.1007/s40031-022-00835-2 . (BDI: Springer, SCOPUS) .	3		1.0
	BDI84	V. Ioniță, L. Petrescu, E. Cazacu, <i>Impact of Steinmetz Coefficients Variance for FeSi Laminate Magnetic Cores</i> , 2018 International Symposium on Fundamentals of Electrical Engineering (ISFEE), Bucharest, Romania, 1-3 Nov. 2018 citat in E. Kurt, S. Hatem, Design and Implementation of a MHz Frequency Transformer with a Ferromagnetic Fluid Core, Sustainability 2023, 15, 23, https://doi.org/10.3390/su15010023 (BDI: EBSCO, ProQuest) .	3		1.0
	BDI85	L.G. Petrescu, M.-C. Petrescu, E. Cazacu, C.-D. Constantinescu, <i>Estimation of Energy Losses in Nanocrystalline FINEMET Alloys Working at High Frequency</i> , Materials 2021, 14, 7745, pp. 1-13, https://doi.org/10.3390/ma14247745 citat in M. Yu, P. Qu, M. Gao, Impact of strip winding tension on ultracrystalline magnetic core for current transformer, J Mater Sci: Mater Electron, (2023) 34:273, pp.1-14, https://doi.org/10.1007/s10854-022-09717-1 (BDI: EBSCO, ProQuest) .	4		0.75
	BDI86	L. Petrescu, V. Ioniță, E. Cazacu, M.C. Petrescu, <i>Power losses estimation for FeSi sheets using algebraic models</i> , Revue Roumaine des Sciences Techniques – Série Electrotechnique et Énergétique, Ed. Academiei Române, tome 64, no. 1, p. 23 - 26, Bucarest, 2019, ISSN 0035-4066 citat in M. N. Benallal, A. Mahieddine, C. K. M. Khelil, A. Mazouz, Use of the BH curves approximation for the calculation of magnetic circuits in electrical machines, Rev. Roum. Sci. Techn. – Électrotech. et. Énerg., Ed. Academiei Române, Vol. 68, 1, pp. 42–45, Bucarest, 2023 (BDI: Scopus) .	4		0.75
ISI-Membru in colectivele de redactie sau comitete stiintifice al revistelor si manifestarilor stiintifice, Organizator de manifestari stiintifice, Recenzor pentru reviste si manifestari stiintifice nationale si internationale (punctajul se acorda	3.4.1.	ISI	10 * fiecare revista, manifestare stiintifica si recenzie		
		Applied Surface Science (indexata ISI - IF 7.392) - ID12175 / 2019, ID15174 / 2019	2		20.0
		IEEE Transaction on Magnetics (indexata ISI - IF 1.848) - TMAG-23-02-0060 / 2023	1		10.0
		Optics and Lasers in Engineering (OLE) - Elsevier (IF 5.666) - IDOLEN_2019_1958/2020	1		10.0

pentru fiecare,revista,manifestare stiintifica si recenzie)		Journal of Physics and Chemistry of Solids (PCS) (IF 4.383) - PCS_2020_795/2020	1		10.0
		ATEE 2021 (conferință indexată ISI) - ID25, ID70, ID125, ID202, ID212	5		50.0
		ATEE 2019 (conferință indexată ISI) - ID38, ID99, ID181	3		30.0
		6 recenzii ICAEE 2019 (conferință indexată ISI) - ID4301, ID4314, ID4317, ID4338, ID4339, ID4423	6		60.0
		9 recenzii IEEE Acces (indexată ISI - IF 3.476) - ID33327/2019, ID03133/2020, ID10413/2020, ID12894/2020, ID44250/2020, ID56390/2020, ID54635/2020, ID13118/2021, ID19781/2022	9		90.0
		International Journal of Electrical Power and Energy Systems (indexată ISI - IF 5.659) - IJEPES-D-21-02125/2021	1		10.0
		36 recenzii MDPI Energy (indexată ISI - IF 3.252) - ID563771/2019, ID587575/2019, ID603773/2019, ID631212/2019, ID657578/2019, ID705488/2020, ID718598/2020, ID791777/2020, ID817125/2020, ID823899/2020, ID866420/2020, ID880928/2020, ID910478/2020, ID926434/2020, ID942637/2020, ID987488/2020, ID1004883/2020, ID1042163/2020, ID1084242/2021, ID117123/2021, ID123405/2021, ID1267350/2021, ID1299542/2021, ID1345191/2021, ID1417909/2021, ID1530742/2021, ID1561465/2022, ID1752769/2022, ID1774313/2022, ID1802539/2022, ID1900102/2022, ID1949538/2022, ID2042909/2022, ID2196782/2023, ID2246338/2023, ID2291334/2023)	36		360.0
		4 recenzii MDPI Applied Science (indexată ISI - IF 2.838) - ID1132298/2021, ID1398009/2021, ID1413776/2021, ID1847945/2022	4		40.0
		1 recenzie MDPI Coating (indexată ISI - IF 3.236) - 1155970/2021	1		10.0
		6 recenzii MDPI Metals (indexată ISI - IF 2.695) - ID684037/2019, ID848410/2020, ID848633/2020, ID45628/2021, ID1645594/2022, ID1879845/2022	6		60.0
		4 recenzii MDPI Electronics (indexată ISI - IF 2.690) - ID848410/2020, ID975312/2020, ID1171897/2021, ID1242939/2021	4		40.0
		1 recenzie MDPI Batteries (indexată ISI - IF 5.938) - 1975588/2022	1		10.0
		1 recenzie MDPI Magnetochemistry (indexată ISI - IF 3.336) - 1232787/2021	1		10.0
		1 recenzie MDPI Quaternary (cotată ISI) - 2071647/2022	1		10.0
		1 recenzie MDPI Symmetry (indexată ISI - IF 2.940) - 1605183/2022	1		10.0
		1 recenzie MDPI Micromechanics (indexată ISI - IF 3.523) - 1388821/2021	1		10.0
		3 recenzii MDPI Sensors (indexată ISI - IF 3.847) - ID1055668/2020, ID1098881/2021, ID1657458/2022	3		30.0
		2 recenzii MDPI Materials (indexată ISI - IF 3.748) - 1288789/2021, ID1791997/2022	2		20.0
		4 recenzii MPS2019 (conferinta indexata ISI) - ID34, ID77, ID81, ID190	4		40.0
		5 recenzii OPTIM 2019 (conferinta indexata ISI) - ND-000361, ND-000485, ND-000566, ND-001104, ND-001449	5		50.0
		1 recenzie PhysicaB (indexata ISI - IF 1.874) - PHYSB-D-19-01610	1		10.0
		4 recenzii ISFEE 2018 (conferință indexată ISI) - 487-1616-1-RV, 504-1652-1-RV, 508-1666-1-RV, 511-1668-1-RV	4		40.0
		1 recenzie Optik (indexata ISI - IF 2.84) - IJLEO-D-18-04655/2018	1		10.0
		9 recenzii PEMC 2018 (conferință indexată ISI) - ND-000531, ND-001791, ND-002194, ND-002348, ND-002593, ND-005875, ND-004286, ND-004618, ND-004847	9		90.0
		3 recenzii ATEE 2017 (conf indexata ISI) - ID97, ID107, ID225	3		30.0
		1 recenzie IET Generation, Transmission & Distribution (indexata ISI - IF 3.229) - GTD-2017-1314/2017	1		10.0
		ISFEE2016 (conf indexata ISI) - ID280, ID105	2		20.0
		ATEE 2015 (conf indexata ISI) - ID115, ID128, ID231, ID257	4		40.0
		22 recenzii BSUPB (indexata ISI) - 6065/2017, 6590/2018, 6803/2018, 7806/2019, 8809/2019, 9156/2019, 9177/2019, 10126/2020, 10127/2020, 10202/2020, 10534/2020, 10813/2021, 11115/2021, 11469/2021, 11732/2021, 11755/2021, 12091/2021, 12273/2022, 12897/2022, 12980/2022, 13181/2022, 13310/2023	22		220.0
		ISFEE2014 (conferinta indexata ISI) - ID13, ID70, ID76, ID133, ID137	5		50.0
		Revue roumaine des sciences techniques. Série Électrotechnique et Énergétique (indexata ISI) - ID66/2013, ID81/2014	2		20.0
		ATEE 2011 (conf indexata ISI) - ID146, ID150, ID176	3		30.0
		ATEE 2013 (conf indexata ISI) - ID1, ID18, ID181, ID98, ID146, ID155	6		60.0
BDI-Membru in colectivele de redactie sau comitete stiintifice al revistelor si manifestarilor stiintifice, Organizator de manifestari stiintifice, Recenzor pentru reviste si manifestari stiintifice nationale si internationale (punctajul se acorda pentru fiecare,revista,manifestare stiintifica si recenzie)	3.4.2.	BDI	6 * fiecare revista, manifestare stiintifica si recenzie		
		2 recenzii JEMS (indexata Scopus, Springer) - JEMS-D-20-00448/2020, JEMS-D-20-01322/2020	2		12.0
		1 recenzie MDPI Magnetism - 1523407/2021	1		6.0
		3 recenzii MPS2021 (indexata IEEE) - ID7, ID108, ID109	3		18.0
		1 recenzie JESTCH (indexata Scopus) - JESTCH_2018_73/2018	1		6.0
		7 recenzii ASTES (indexata Scopus) - RVELE0428, RVMCR0041, RVMMU0035, RVMCM0078, RVMSB0037, RVMCT0088, 20M-12-1292	7		42.0
		8 recenzii Buletinul stiintific UPB (revista B+, indexact Scopus, Inspec) (2012 - 2014) - 1196/2012, 2523/2012, 3350/2014, 4099/2016, 4197/2015, 4282/2015, 5165/2016, 5380/2016	8		48.0
		Journal of Energy and Power Engineering (revista B+, indexact Ulrich's International Periodicals Directory, ProQuest) - JEPE15060802/2015, JEPE14040801/2014, JEPE14092003/2013, JEPE16031702/2014, JEPE16050502/2014	5		30.0
Neindexate-Membru in colectivele de redactie sau comitete stiintifice al revistelor si manifestarilor stiintifice, Organizator de manifestari stiintifice, Recenzor pentru reviste si manifestari stiintifice nationale si internationale (punctajul se	3.4.3.	Neindexate	3 * fiecare revista, manifestare stiintifica si recenzie		
		Membru in comitetul de organizare a conferintei Internationale - MMDE (2004, 2006, 2008)			9.0
		Membru in comitetul de organizare SNET2012 (indexat Google Scholar)			3.0
		Chairmen sectiune SNET2012 (indexat Google Scholar)			3.0
		Membru in comitetul de organizare a conferintei Internationale - ROMSC 2010			3.0
Membru academii, organizatii, asociatii de prestigiu, nationale si internationale, aparteneta la organizatii din domeniu educatiei si cercetarii	3.7.4.	Asociatii profesionale	Internationale - 5 puncte / Nationale - 2 puncte		
		Membru IEEE - No. 92566505			5.0
		Reprezentat UPB în Cluster ETREC (Hotărârea Senatului 117 din 10.02.2015)			2.0
		Membru AGIR - legitimatie nr. 62068			2.0
		Membru SRMM - Societate Română de Materiale Magnetice			2.0
		Membru AIEER			2.0
TOTAL A3					2083.0
TOTAL (A1+A2+A3)					3146.1