

STANDARDE MINIMALE SI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR

Anexa nr.11 - Comisia Electronica, Telecomunicatii si Nanotehnologie

Conf. dr. ing. Pop-Calimanu Ioana-Monica

GRILA PROFESOR UNIVERSITAR

1	ACTIVITATEA DIDACTICĂ ȘI PROFESIONALĂ (A1)	Nr. autori	PUNCTAJ
	A1.1.1 Cărți de autor sau capitole de specialitate în edituri cu ISBN - Cărți/monografii internaționale		
1			
2			
3	...		
	Total A.1.1.1		0,00
	A1.1.2 Cărți de autor sau capitole de specialitate în edituri cu ISBN - Cărți/monografii naționale		
1	Ioana-Monica Pop - "A New Class of High Efficiency Multiphase DC-DC Converters" - Teza de doctorat, Ed. Politehnica, 2015, ISBN: 978-606-554-972-2	1	50,00
2	Ioana Monica Pop-Călimanu , Aurel Cireșan, Dan Lascu - "Electronică de putere.Experimente", Ed. Politehnica, 2016, ISBN 978-606-35-0113-5	3	16,67
3	Ioana Monica Pop-Călimanu , Aurel Filip, Radu Mîrșu, Cătălin-Daniel Căleanu-"Circuite electronice fundamentale. Teorie și probleme," Ed. Politehnica, 2019, ISBN 978-606-35-0332-0	4	12,50
4	Ioana Monica Pop-Călimanu , Aurel Filip, Radu Mîrșu, Cătălin-Daniel Căleanu-"ELECTRONIC CIRCUITS FUNDAMENTALS. THEORY AND PROBLEMS",EDITURA POLITEHNICA TIMIȘOARA, 2024, ISBN 978-606-35-0603-1	4	12,50
5	Ioana Monica Pop-Călimanu , Aurel Cireșan, Dan Lascu - "DC-DC CONVERTERS-ANALYSIS, DESIGN, EXPERIMENTS", EDITURA POLITEHNICA TIMIȘOARA, 2024, ISBN 978-606-35-0604-8	3	16,67
	Total A.1.1.2		108,33
	A1.2.1. Material didactic/Lucrari didactice publicate în edituri cu ISBN - Manuale didactice		
1			
	...		
	Total A.1.2.1		0,00
	Total A1		108,33

Avizat,
IOSUD UPT-Rector,
Conf.Dr.ing. Florin DRĂGAN

Avizat,
Director Scoală Doctorală,
Prof.dr.ing. Dorin LELEA

Candidat atestat abilitare,

	STANDARDE MINIMALE SI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR
	Anexa nr.11 - Comisia Electronica, Telecomunicatii si Nanotehnologie
	Conf. dr. ing. Pop-Calimanu Ioana-Monica
	GRILA PROFESOR UNIVERSITAR

2	ACTIVITATEA DE CERCETARE (A2)				
	A2.1 Articole în <i>reviste</i> cotate <i>ISI</i> si lucrări în volumele unor <i>manifestări</i> științifice indexate <i>ISI</i>	Numar autori	Factor impact	Ani desfas	Punctaj
1	I.M. Pop-Calimanu , F. Prutianu, V. Popescu, "Design and Simulation of DC/DC Boost Converter used for a Distributed Sensing System Based on a Multidrop Sensor Network with RS485 Interface", 2012 10th International Symposium on Electronics and Telecommunication, ISETC '12, Timisoara, Romania, ISBN: 978-1-4673-1175-5(IEEE catalog number: CFP1203L-CDR), WOS:000318702700018, Noiembrie 2012, pp.79-82.	3	0,25	2012	10,83
2	F. Prutianu, I.M. Pop-Calimanu , V. Popescu, "Validation system for power supply module part of automotive ECUs", 2012 10th International Symposium on Electronics and Telecommunication, ISETC '12, Timisoara, Romania, ISBN: 978-1-4673-1175-5(IEEE catalog number: CFP1203L-CDR), Noiembrie 2012, pp.75-78	3	0,25	2012	10,83
3	F. Prutianu, I.M. Pop-Calimanu , V. Popescu, "Semi-automated power supply efficiency measuring system", 2012 10th International Symposium on Electronics and Telecommunication, ISETC '12, Timisoara, Romania, ISBN: 978-1-4673-1175-5(IEEE catalog number: CFP1203L-CDR), WOS:000318702700010, Noiembrie 2012, pp.45-48.	3	0,25	2012	10,83
4	M. Pop-Călimanu, T. Fleșer, I.M. Pop-Călimanu , "A fully coupled thermomechanical modeling of jointing process by ultrasonic welding of aluminium-based composite materials", 16th International Conference on Modern Technologies, Quality and Innovation, pp. 777-780, Book Series: International Conference ModTech Proceedings, Sinaia, ROMANIA, 2012, WOS:000392261800195, ISSN: 2069-6736	3	0,25	2012	10,83
5	M. Pop-Călimanu, D. Gubencu, I.M. Pop-Călimanu , T. Fleșer, "Optimization of ultrasonic welding parameters and temperature distribution in metal matrix composite based on aluminium", 22th International Conference on Metallurgy and Materials, pp. 1211-1217, 2013, WOS:000333163100199, ISBN:978-80-87294-41-3	4	0,25	2013	8,13
6	I.M Pop-Calimanu , T. Anna, V. Popescu, G. Muntean, "A Low Cost System for Testing and Monitoring the Performance of Photovoltaic Module", Advances in Electrical and Computer Engineering, vol 13, issue 4, pp. 93-98, 2013, Accession Number: WOS:000331461300016, ISSN: 1582-7445, eISSN: 1844-7600, Q4	4	0,7	2013	11,50

7	I.M. Pop-Calimanu , F. Renken, "New Multiphase Hybrid Boost Converter with Wide Conversion Ratio for PV System", Hindawi Publishing Corporation International Journal of Photoenergy, vol 2014, Article ID 637468, 17 pages, WOS:000335769800001, ISSN: 1110-662X, eISSN: 1687-529X, Q1 (Optics)	2	2,663	2014	52,45
8	F. Renken, I.M. Pop-Calimanu , U. Schurmann "Novel multiphase hybrid Boost converter with wide conversion ratio", 2014 16th European Conference on Power Electronics and Applications, EPE'14-ECCE Europe, Lappeenranta, August 2014, pp. 1-10, WOS:000361460004022, ISSN: 2325-0313	3	0,25	2014	10,83
9	I.M. Pop-Calimanu and F. Renken, "A Comparison between Single-Phase and Two-Phase Hybrid Buck L Converter", 2016, 12th International Symposium on Electronics and Telecommunication, ISETC '16, Timisoara, Romania, WOS:000390717800049, ISBN:978-1-5090-3748-3	2	0,25	2016	16,25
10	Folker Renken, Udo Schürmann, Qingyue Chen and Ioana-Monica Pop-Calimanu "Novel Hybrid Buck L converter for Wide Conversion Ratios", 2016 17th International Conference on Power Electronics and Motion Control, IEEE-PEMC 2016, Varna, Bulgaria, Septembrie 2016, pp. 158-167, WOS:000390590000024, Electronic ISBN: 978-1-5090-1798-0,	4	0,25	2016	8,13
11	S. Lica, M. Gurbină, D. Lascu, I.M. Pop-Călimanu , A. Ciresan, "A Novel Stacked Step-Down Switching Converter", Joint International Conference OPTIM-ACEMP Optimization of Electrical&Electronic Equipment Aegean Conference on Electrical Machines&Power Electronics, pp. 549-554, 2017, WOS:000426909600083, ISBN:978-1-5090-4489-4	5	0,25	2017	6,50
12	I.M. Pop-Calimanu , D. Lascu, S. Lica, M. Gurbină, F. Renken, "A New Hybrid Boost-L Converter", 19th International Symposium on Power Electronics (Ee), pp. 1-6, Location: NOVI SAD, SERBIA Date: OCT 19-21, 2017, WOS:000426894600012, ISBN:978-1-5386-3502-5	5	0,25	2017	6,50
13	S. Lica, I.M. Pop-Calimanu , D. Lascu, A. Ciresan, M. Gurbină, "A New Stacked Step-Up Converter", 40th International Conference on Telecommunications and Signal Processing (TSP), pp. 315-319, Location: Barcelona, SPAIN, Date: JUL 05-07, 2017, WOS:000425229000069, ISBN:978-1-5090-3982-1	5	0,25	2017	6,50
14	F. Renken,WS. Shen, C. Wang, I.M.Pop-Calimanu , A. Ciresan, "Multiphase Hybrid Buck-Boost Converter with Wide Conversion Ratio",19th European Conference on Power Electronics and Applications (EPE ECCE Europe) Location: Warsaw, POLAND Date: SEP 11-14, 2017, WOS:000418374406031, ISBN:978-9-0758-1527-6, ISSN: 2325-0313	5	0,25	2017	6,50
15	M. Gurbina, A. Ciresan, D. Lascu, S. Lica, I.M. Pop-Calimanu , "A New Exact Mathematical Approach for Studying Bifurcation in DCM Operated dc-dc Switching Converters", ENERGIES, Volume: 11 Issue: 3 Article Number: 663 Published: MAR 2018, DOI: 10.3390/en11030663, Accession Number: WOS:000428304300191, ISSN: 1996-1073, Q2	5	2,676	2018	21,06

16	I.M. Pop-Calimanu , S. Lica, D. Lascu, F. Renken, "A Novel Hybrid Buck-L Converter", 2018 20TH European Conference On Power Electronics And plications (EPE'18 ECCE EUROPE), pp. P.1-P.10, Location: Riga, LATVIA Date: SEP 17-21, 2018, Accession Number: WOS:000450299300157, ISBN:978-9-0758-1528-3, ISSN: 2325-0313	4	0,25	2018	8,13
17	F. Renken, D. Piwczyk, WS. Shen, I.M. Pop-Calimanu , R. Steinberger-Wilckens, "A Novel Concept to Control the Powertrain in Battery Fuel Cell Hybrid Vehicles", 20th European Conference on Power Electronics and Applications (EPE ECCE Europe) Location: Riga, LATVIA Date: SEP 17-21, 2018, Accession Number: WOS:000450299300185, ISBN:978-9-0758-1528-3, ISSN: 2325-0313	5	0,25	2018	6,50
18	S. Lica, I.M. Pop-Calimanu , D. Lascu, S. Popescu, M. Tomoroga and A. Ciresan, "A New Hybrid Ćuk Converter," 13th International Symposium on Electronics and Telecommunications (ISETC), Timisoara, Nov. 2018, Pages: 133-136, WOS:000463031500030, ISBN:978-1-5386-5925-0.	6	0,25	2018	5,42
19	W. Shen, I. Pop-Calimanu and F. Renken, "Test bench to optimize the Powertrain in Battery-Electric and Fuel-Cell Vehicles," 13th International Symposium on Electronics and Telecommunications (ISETC), Timisoara, Nov. 2018, pp. 141-144, WOS:000463031500032, ISBN:978-1-5386-5925-0.	3	0,25	2018	10,83
20	I.M Pop-Calimanu , S. Lica, D. Lascu, F. Renken, M. Gurbina and R. Mirsu, "A Novel Hybrid Step-Down DC-DC Converter," 2018 IEEE 18th International Power Electronics and Motion Control Conference (PEMC), Budapest, 2018, pp. 34-39, WOS:000462062900004, ISBN:978-1-5386-4198-9.	6	0,25	2018	5,42
21	F. Renken, W. Shen, U. Schürmann and I.M Pop-Calimanu , "Multiphase DC/DC Converter and its Use in the Powertrain of Fuel Cell Vehicles," 2018 IEEE 18th International Power Electronics and Motion Control Conference (PEMC), Budapest, 2018, pp. 280-286, WOS:000462062900043, ISBN:978-1-5386-4198-9.	4	0,25	2018	8,13
22	M. Gurbina, I.M. Pop-Calimanu , D. Lascu, S. Lica and A. Ciresan, "Exact Stability Analysis of a Two-Phase Boost Converter," 2018 41st International Conference on Telecommunications and Signal Processing (TSP), Athens, Greece, 2018, pp. 334-33, WOS:000454845100075, ISBN:978-1-5386-4695-3.	5	0,25	2018	6,50
23	I.M Pop-Calimanu , S. Lica, F. Renken, R. Mirsu, G. Simion and I. Lie, "A Comparison Between Single-Phase and Two-Phase Hybrid Boost-L Converter," 13th International Symposium on Electronics and Telecommunications (ISETC), Timisoara, 2018, pp. 129-132, WOS:000463031500029, ISBN:978-1-5386-5925-0.	6	0,25	2018	5,42
24	I.M. Pop-Calimanu , S. Lica, S. Popescu, D. Lascu, I. Lie, R. Mirsu, "A New Hybrid Inductor-Based Boost DC-DC Converter Suitable for Applications in Photovoltaic Systems", ENERGIES, Volume: 12 Issue: 2 Article Number: 252, Published: JAN 2019, DOI: 10.3390/en12020252, Accession Number: WOS:000459743700053, ISSN: 1996-1073, Q2	6	2,676	2019	17,55
25	Pop-Calimanu, Ioana-Monica , Maria Balint, and Dan Lascu. 2020. "A New Hybrid Ćuk DC-DC Converter with Coupled Inductors" Electronics 9, no. 12: 2188. Volume9 Issue12, Article Number 2188, DOI10.3390/electronics9122188, Published DEC 2020, Indexed 2021-01-12, Accession Number WOS:000601967600001, eISSN2079-9292, Q2	3	2,412	2020	32,45

26	Pop-Calimanu, Ioana-Monica , Sorin Popescu, and Dan Lascu. 2022. "A New SEPIC-Based DC-DC Converter with Coupled Inductors Suitable for High Step-Up Applications" Applied Sciences 12, no. 1: 178.APPLIED SCIENCES-BASEL , Volume12, Issue1, Article Number 178, DOI10.3390/app12010178, Published JAN 2022, Indexed 2022-03-06, Accession NumberWOS:000758849400001, eISSN2076-3417, Q2	3	2,838	2022	36,71
27	Mirsu Radu, Georgiana Simion, Catalin D. Căleanu and Ioana M.Pop-Calimanu . 2020. " A PointNet-Based Solution for 3D Hand Gesture Recognition " Sensors 20, no. 1:3226. Volume 20, Issue 11, Article number 3226, DOI10.3390/s20113226, Published Jun 2020, Indexed 2020-08-12, Accession Number WOS:000552737900219, PubMed ID32517141, Q1	4	3,576	2020	33,07
28	R. Mîrșu, G. Simion, C. D. Căleanu, O. Ursulescu and I. P. Călimanu , "Deep Neural Networks vs Bag of Features for Hand Gesture Recognition," 2019 42nd International Conference on Telecommunications and Signal Processing (TSP), Budapest, Hungary, 2019, pp. 369-372. doi: 10.1109/TSP.2019.8768812	5	0,25	2019	6,50
29	D. Botila, I.M Pop-Calimanu and D. Lascu, "A Novel Boost Converter with Two Independently Controlled Switches," 2019 International Conference on Electrical Drives & Power Electronics (EDPE), The High Tatras, Slovakia, 2019, pp. 125-130.doi: 10.1109/EDPE.2019.8883895	3	0,25	2019	10,83
30	D. Botila, I.M Pop-Calimanu , D. Lascu and S. Lica, "A Novel Buck-Boost Converter with Two Independently Controlled Switches," 2019 20th International Symposium on Power Electronics (Ee), Novi Sad, Serbia, 2019, pp. 1-6.doi: 10.1109/PEE.2019.8923275	4	0,25	2019	8,13
31	G. -M. Jude, I. -M. Pop-Calimanu and F. Renken, "A New Step-Up Converter With Coupled Inductor," 2020 International Symposium on Electronics and Telecommunications (ISETC), 2020, pp. 1-4, doi: 10.1109/ISETC50328.2020.9301041.	3	0,25	2020	10,83
32	S. Lica, I. Lie, A. N. Wegner and I. M. Pop-Călimanu , "A Generalized Model for Single-Switch Stacked Step-Down Converters," 2020 International Symposium on Electronics and Telecommunications (ISETC), 2020, pp. 1-4, doi: 10.1109/ISETC50328.2020.9301085.	4	0,25	2020	8,13
33	I. -M. Pop-Calimanu , C. Alexandru-Adrian and M. Pop-Calimanu, "A New Quadratic Step-Down Converter," 2020 International Symposium on Electronics and Telecommunications (ISETC), 2020, pp. 1-4, doi: 10.1109/ISETC50328.2020.9301118.	3	0,25	2020	10,83
34	D. -A. Botila, D. Lascu and I. -M. Pop-Calimanu , "A Buck Converter Suitable in Low Step-Down Applications," 2021 21st International Symposium on Power Electronics (Ee), 2021, pp. 1-6, doi: 10.1109/Ee53374.2021.9628264.	3	0,25	2021	10,83
35	S. Lica, I. -M. Pop-Calimanu and D. Lascu, "A New High Performance Step-Down Quadratic Converter," 2021 IEEE 19th International Power Electronics and Motion Control Conference (PEMC), 2021, pp. 15-22, doi: 10.1109/PEMC48073.2021.9432613.	3	0,25	2021	10,83

36	I. -M. Pop-Calimanu, E. -A. Raducanu, D. Lascu, M. Pop-Calimanu and S. Popescu, "A Novel Quadratic Step-Up DC-DC Converter," 2021 23rd European Conference on Power Electronics and Applications (EPE'21 ECCE Europe), 2021, pp. P.1-P.10.	5	0,25	2021	6,50
37	W. Shen, I. -M. Pop-Calimanu and F. Renken, "Control Strategy for DC/DC Converter in Drive Train of Fuel Cell Vehicles," 2021 IEEE 19th International Power Electronics and Motion Control Conference (PEMC), 2021, pp. 243-249, doi: 10.1109/PEMC48073.2021.9432532.	3	0,25	2021	10,83
38	I. -M. Pop-Calimanuu, L. D. Jurca, D. Lascu and M. Pop-Calimanu, "A Novel Quadratic Step-Up DC-DC Converter," 2021 IEEE 19th International Power Electronics and Motion Control Conference (PEMC), 2021, pp. 23-30, doi: 10.1109/PEMC48073.2021.9432620.	4	0,25	2021	8,13
39	D. -A. Botila, I. -M. Pop-Calimanu and D. Lascu, "A Novel Single Switch Step Down Converter," 2021 IEEE 19th International Power Electronics and Motion Control Conference (PEMC), 2021, pp. 31-38, doi: 10.1109/PEMC48073.2021.9432498.	3	0,25	2021	10,83
40	Pop, GM; Pop-Calimanu, IM; Lascu, D," Fourth-Order Quadratic Buck Converter Controller Design" , 2024, SENSORS, Volume 24, Issue 2, DOI10.3390/s24020557, Q2	3	3,4	2024	42,33
41	Botila, Delia-Anca ; Pop-Calimanu, Ioana-Monica ; Lascu, Dan, " Buck Converter with Cubic Static Conversion Ratio", 2024, SENSORS, Volume 24, Issue 2, DOI10.3390/s24020696, Q2	3	3,4	2024	42,33
					571,66
	A2.2 Articole în reviste și in volumele unor manifestări științifice indexate în alte baze de date internaționale recunoscute (BDI)	Numar autori	Factor impact	Ani desfas	Punctaj
1	I.M. Pop-Calimanu, F. Prutianu, V. Popescu, "Boost Converter Used in Solar Energy Systems", The 11th International Conference on Engineering of Modern Electric Systems, EMES'11, Oradea, Romania, ISSN 1844 – 6035, Volum 4, Mai 2011, pp. 195-198, Index Copernicus International, Scopus	3		2011	6,67
2	F. Prutianu, I.M. Pop-Calimanu, V. Popescu, "Power factor Correction Inductor Design From a Wind Turbine Boost Converter", The 11th International Conference on Engineering of Modern Electric Systems, EMES'11, Oradea, Romania, ISSN 1844 – 6035, Volum 4, Mai 2011, pp. 199-202, Index Copernicus International, Scopus	3		2011	6,67
3	I.M. Pop-Calimanu, V. Popescu, "Improvement Performance of Uninterruptible Power Supply", Journal of Electrical and Electronics Engineering, Oradea, Romania, ISSN 1844 – 6035, Volum 3, Iunie 2010, pp. 163-166, Index Copernicus International, Scopus	2		2010	10,00

4	Botila, D.A.; Pop-Calimanu, I.M. ; Lascu, D. Cubic buck-boost converter with high step-up capability. In Proceedings of the 2022 International Symposium on Electronics and Telecommunications (ISETC), Timisoara, Romania, 10–11 November 2022; IEEE.	3		2022	6,67
5	Gabriela-Madalina Jude; Ioana-Monica Pop-Calimanu , "A Novel Hybrid Quadratic Buck Converter", In Proceedings of the 2022 International Symposium on Electronics and Telecommunications (ISETC), Timisoara, Romania, 10–11 November 2022; IEEE.	2		2022	10,00
6	Gabriela-Madalina Jude; Ioana-Monica Pop-Calimanu ; Dan Lascu, "A Novel Fourth-Order Buck-Boost Converter", In Proceedings of the 2022 IEEE 20th International Power Electronics and Motion Control Conference (PEMC), IEEE. DOI: 10.1109/PEMC51159.2022.9962844	3		2022	6,67
7	Gabriela-Madalina Pop; Lucia-Daniela Jurca; Ioana-Monica Pop-Calimanu ; Dan Lascu, "A New Highly Step-Down Quadratic Converter", 2023 22nd International Symposium on Power Electronics (Ee), IEEE, Novi Sad, Serbia, IEEE. DOI: 10.1109/Ee59906.2023.10346185 ISBN:979-8-3503-4318-2	4		2023	5,00
8	ȘA Albu, IM Pop-Calimanu , "A Step-Down Hybrid Converter With Unequal Inductor", 2022 International Symposium on Electronics and Telecommunications (ISETC), Timisoara, Romania, 10–11 November 2022; IEEE	2		2022	10,00
9	DA Botila, IM Pop-Calimanu , D Lascu, "Switched-Capacitor Boost Converter for Low Step-Up Applications", 2022 IEEE 20th International Power Electronics and Motion Control Conference (PEMC), Pages 301-306, IEEE	3		2022	6,67
10	G. -M. Pop, A. -A. Cauc, I. -M. Pop-Calimanu and D. Lascu, "A Buck-Boost Converter with Asymmetric Static Conversion Ratio," <i>2024 International Symposium on Electronics and Telecommunications (ISETC)</i> , Timisoara, Romania, 2024, pp. 1-6, doi: 10.1109/ISETC63109.2024.10797242	4		2024	5,00
11	11. G. -A. Perneac, I. -M. Pop-Calimanu and D. Lascu, "A New Step-Up/Down DC-DC Converter," <i>2024 International Symposium on Electronics and Telecommunications (ISETC)</i> , Timisoara, Romania, 2024, pp. 1-4, doi: 10.1109/ISETC63109.2024.10797252.	3		2024	6,67
12	12. D. -A. Botila, G. -C. Zaharia and I. -M. Pop-Calimanu , "A Buck-Boost Converter with Coupled Inductors for High Voltage Boosting Performance," <i>2024 International Symposium on Electronics and Telecommunications (ISETC)</i> , Timisoara, Romania, 2024, pp. 1-5, doi: 10.1109/ISETC63109.2024.10797370.	3		2024	6,67
	Total A2.2				86,67
	A2.3.1 Proprietate intelectuala, brevete de inventie, certificate ORDA <i>internationale</i>	Numar autori	Factor impact	Ani desfas	Punctaj

	...				
	Total A2.3.1				
	A2.3.2 Proprietate intelectuala, brevete de inventie, certificate ORDA <i>nationale (OSIM)</i>	Numar autori	Factor impact	Ani desfas	Punctaj
	Total A2.3.2				0,00
	Total A2.3				0,00

	A2.4. Granturi/proiecte de cercetare câștigate prin competiție sau contracte cu agenți economici în valoare de minim 10000 dolari SUA echivalent încasați				
	A2.4.1.1 Granturi/proiecte de cercetare <i>internaționale</i> câștigate prin competiție sau contracte cu agenți economici în valoare de minim 10000 dolari SUA echivalent încasați - <i>director/responsabil partener</i>	Numar autori	Factor impact	Ani desfas	Punctaj
1					
2					
	Total A2.4.1.1				0
	A2.4.1.2 Granturi/proiecte de cercetare <i>naționale</i> câștigate prin competiție sau contracte cu agenți economici în valoare de minim 10000 dolari SUA echivalent încasați - <i>director/responsabil partener</i>				
1	Proiecte de Cercetare - Dezvoltare pentru tineri cercetători PCD-TC-2017, "Convertoare multifază pentru conversia energiei solare și încărcarea acumulatorilor din vehiculele electrice", Nr. 33	3		1,1	11
2	Unitatea Executiva pentru Finantarea Invatamantului Superior, a Cercetarii, Dezvoltarii si Inovarii (UEFISCDI) Programul 1 – Dezvoltarea sistemului național de cercetare-dezvoltare Subprogramul 1.1 – Resurse umane/Proiecte de Cercetare Postdoctorală, PN-III-P1-1.1-PD-2019, "Noi familii de convertoare dc-dc în comutație de tip hibrid cu aplicații în sisteme de încărcare a bateriilor din vehicule electrice și în conversia energiei solare"	2		1,6	16
	...				
	Total A2.4.1.2				27
	A2.4.2.1 Granturi/proiecte de cercetare <i>internaționale</i> câștigate prin competiție sau contracte cu agenți economici în valoare de minim 10000 dolari SUA echivalent încasați - <i>membru în echipă</i>				
1					
2					
	Total A2.4.2.1				0

	A2.4.2.2 Granturi/proiecte de cercetare naționale câștigate prin competiție sau contracte cu agenți economici în valoare de minim 10000 dolari SUA echivalent încasați - membru în echipă				
1	Granturi Naționale de Cercetare - ARUT 2018, "Soluții embedded pentru implementarea structurilor neuronale profunde (Deep Neural Networks)", ID 132	5		1,2	2,4
2	123900-Asigură-ți Viitorul prin Educație și Antreprenariat - AVEA, Contract de finanțare nr. POCU/379/6/21/123900	33		0,6	1,2
3	PolitehnicaNouluiSecol: platformă online pentru sporirea accesului tinerilor la învățământul superior și reușita pe piața muncii SmartUPT	18		0,1	0,2
	Total A2.4.2.2				3,8
	Total A2.4				30,8
	Total A2				689,13

STANDARDE MINIMALE SI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL SUPERIOR

**Conf. dr.ing. Pop-Calimanu Ioana-Monica
GRILA PROFESOR UNIVERSITAR**

3	RECUNOAȘTEREA ȘI IMPACTUL ACTIVITĂȚII (A3)			
	A3.1.1 Citări în cărți, reviste și volume ale unor manifestări științifice cotate ISI	Numar de citari ale articolului	Numar autori	Punctaj
1	I.M Pop-Calimanu, T. Anna, V. Popescu, G. Muntean, "A Low Cost System for Testing and Monitoring the Performance of Photovoltaic Module", Advances in Electrical and Computer Engineering, vol 13, issue 4, pp. 93-98, 2013, Accession Number: WOS:000331461300016, ISSN: 1582-7445, eISSN: 1844-7600			
	Chao, Kuei-Hsiang, Tsai, Jen-Hsiang, Chen, Ying-Hao, "Development of a Low-Cost Fault Detector for Photovoltaic Module Array", Electronics, vol. 8, issue 2, pp.1-17, article no. 255, 2019, Q2 , Accession Number: WOS:000460746500140, ISSN: 2079-9292, DOI: 10.3390/electronics8020255 https://www.webofscience.com/wos/woscc/full-record/WOS:000460746500140	1	4	4,00
	José Miguel Paredes-Parra, Antonio Mateo-Aroca, Guillermo Silvente-Niñirola, María C. Bueso and Ángel Molina-García, "PV Module Monitoring System Based on Low-Cost Solutions: Wireless Raspberry Application and Assessment", Energies, vol.11, issue 11, pp. 1-20, article no. 3051, 2018,, Accession Number: WOS:000451814000189, ISSN: 1996-1073, DOI: 10.3390/en11113051 https://www.webofscience.com/wos/woscc/full-record/WOS:000451814000189	1	4	2,00
	Idu Mihai, Vladoianu Mihai, Alecu Georgeta, Ravariu Cristian, "Optimized PIN Devices by Simulation", 39th International Semiconductor Conference, CAS 2016, Sinaia, Romania, Accession Number: WOS:000391323300039, ISBN:978-1-5090-1207-7, ISSN: 1545-827X October 10-12, 2016, pp. 191-194, IEEE https://www.webofscience.com/wos/woscc/full-record/WOS:000391323300039	1	4	2,00
2	I.M. Pop-Calimanu, S. Lica, S. Popescu, D. Lascu, I. Lie, R. Mirsu, "A New Hybrid Inductor-Based Boost DC-DC Converter Suitable for Applications in Photovoltaic Systems", ENERGIES, Volume: 12 Issue: 2 Article Number: 252, Published: JAN 2019, DOI: 10.3390/en12020252, Accession Number: WOS:000459743700053, ISSN: 1996-1073			
	Tekin, H; Bulut, K; Ertekin, D, " A novel switched-capacitor and fuzzy logic-based quadratic boost converter with mitigated voltage stress, applicable for DC micro-grid ", 2022, ELECTRICAL ENGINEERING, Volume 104, Issue 6, Page 4391-4413, DOI10.1007/s00202-022-01631-3 https://www.webofscience.com/wos/woscc/full-record/WOS:000847253000001	1	6	1,33
	Ertekin, D; Bulut, K; Tekin, H; Moschopoulos, G, " A design for switched capacitor and single-switch DC-DC boost converter by a small signal-based PI controller ", 2022, INTERNATIONAL JOURNAL OF CIRCUIT THEORY AND APPLICATIONS, Volume 50, Issue 5, Page 1620-1651, DOI10.1002/cta.3213 https://www.webofscience.com/wos/woscc/full-record/WOS:000742212900001	1	6	1,33
	Khan, MYA; Liu, HM ; Habib, S; Khan, D; Yuan, XL, " Design and Performance Evaluation of a Step-Up DC-DC Converter with Dual Loop Controllers for Two Stages Grid Connected PV Inverter", 2022, SUSTAINABILITY, Volume 14, Issue 2, DOI10.3390/su14020811 https://www.webofscience.com/wos/woscc/full-record/WOS:000746205500001	1	6	2,67
	Dasari, RK and Dharmaraj, GI, "A novel cluster switched inductor-based high step-up hybrid DC-DC converter", 2022, ELECTRICAL ENGINEERING, Volume 104, Issue 3, Page 1839-1856, DOI:10.1007/s00202-021-01439-7 https://www.webofscience.com/wos/woscc/full-record/WOS:000722119300001	1	6	1,33
	Farooq, A; Tu, SS; Ahmad, F; Malik, MZ; Rehman, OU; Hafeez, G; Rehman, SU, "A Seventeen Multilevel High-Power Application Inverter with Low Total Harmonic Distortion", 2021, INTERNATIONAL JOURNAL OF PHOTOENERGY, Volume 2021, DOI:10.1155/2021/9982187 https://www.webofscience.com/wos/woscc/full-record/WOS:000695301700001	1	6	2,67
	Malik, MZ; Tirth, V; Ali, A; Farooq, A; Algahtani, A; Verma, R; Islam, S; Irshad, K; Abdalla, AN, "Efficient Topology for DC-DC Boost Converter Based on Charge Pump Capacitor for Renewable Energy System", INTERNATIONAL JOURNAL OF PHOTOENERGY, Volume 2021, DOI10.1155/2021/6675720 https://www.webofscience.com/wos/woscc/full-record/WOS:000625036700001	1	6	2,67

	Jeyasudha, S; Geethalakshmi, B; Saravanan, K; Kumar, R; Son, L; Long, HV, " A novel Z-source boost derived hybrid converter for PV applications", 2021, ANALOG INTEGRATED CIRCUITS AND SIGNAL PROCESSING, Volume 109, Issue 2, Page 283-299, DOI10.1007/s10470-021-01800-7 https://www.webofscience.com/wos/woscc/full-record/WOS:000611443900001	1	6	1,33
	Gi, H; Park, J; Yoon, Y; Jung, S; Kim, SJ; Lee, Y," A Soft-Charging-Based SC DC-DC Boost Converter With Conversion-Ratio-Insensitive High Efficiency for Energy Harvesting in Miniature Sensor Systems" 2020, IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I-REGULAR PAPERS, Volume 67, Issue 10, Page 3601-3612, DOI10.1109/TCSI.2020.2991479 https://www.webofscience.com/wos/woscc/full-record/WOS:000574745600032	1	6	2,67
	Mendez, E; Macias, I; Ortiz, A; Ponce, P; Vargas-Martinez, A; Lozoya-Santos, JD; Ramirez-Mendoza, RA; Morales-Menendez, R; Molina, A, " Novel Design Methodology for DC-DC Converters Applying Metaheuristic Optimization for Inductance Selection", APPLIED SCIENCES-BASEL, Volume 10, Issue 12, DOI10.3390/app10124377 https://www.webofscience.com/wos/woscc/full-record/WOS:000553900000001	1	6	2,67
	Malik, MZ; Chen, HY; Nazir, MS; Khan, IA; Abdalla, AN; Ali, A; Chen, W, " A New Efficient Step-Up Boost Converter with CLD Cell for Electric Vehicle and New Energy Systems" 2020, ENERGIES, Volume 13, Issue 7, DOI10.3390/en13071791 https://www.webofscience.com/wos/woscc/full-record/WOS:000537688400260	1	6	1,33
	Premkumar, M; Kumar, C and Sowmya, R, " Analysis and Implementation of High-Performance DC-DC Step-Up Converter for Multilevel Boost Structure" 2019, FRONTIERS IN ENERGY RESEARCH, Volume 7, DOI10.3389/fenrg.2019.00149 https://www.webofscience.com/wos/woscc/full-record/WOS:000505199200001	1	6	1,33
	Dalla Vecchia, M Van den Broeck, G; Ravyts, S; Driesen, J, " Novel Step-Down DC-DC Converters Based on the Inductor-Diode and Inductor-Capacitor-Diode Structures in a Two-Stage Buck Converter", ENERGIES, Volume 12, Issue 6, DOI10.3390/en12061131 https://www.webofscience.com/wos/woscc/full-record/WOS:000465616800097	1	6	1,33
	Truong-Duy Duong, Minh-Khai Nguyen,Tan-Tai Tran,Young-Cheol Lim and Joon-Ho Choi, " Transformer-Less Switched-Capacitor Quasi-Switched Boost DC-DC Converter", 2021, Energies, 14(20), 6591; https://doi.org/10.3390/en14206591 https://www.webofscience.com/wos/woscc/full-record/WOS:000714955300001	1	6	1,33
3	M. Gurbina, A. Ciresan, D. Lascu, S. Lica, I.M. Pop-Calimanu , "A New Exact Mathematical Approach for Studying Bifurcation in DCM Operated dc-dc Switching Converters", ENERGIES, Volume: 11 Issue: 3 Article Number: 663 Published: MAR 2018, DOI: 10.3390/en11030663, Accession Number: WOS:000428304300191, ISSN: 1996-1073			
	Morcillo, JD; Muñoz, JG and Tost, GO, "Non-smooth Dynamics in Ramp-Controlled and Sine-Controlled Buck Converters",16th International Conference on Dynamical Systems - Theory and Applications (DSTA) 2024, PERSPECTIVES IN DYNAMICAL SYSTEMS II-NUMERICAL AND ANALYTICAL APPROACHES, DSTA 2021 454 , pp.363-372, https://www.webofscience.com/wos/alldb/full-record/WOS:001289530700023	1	5	1,60
	Teuvo Suntio, "Modeling and Analysis of a PCM-Controlled Boost Converter Designed to Operate in DCM", Energies, vol.12, issue 1, pp. 1-16, article no. 4, 2019, Accession Number: WOS:000460665000004, ISSN: 1996-1073, DOI: 10.3390/en12010004 https://www.webofscience.com/wos/woscc/full-record/WOS:000460665000004	1	5	1,60
	Ruiye Zhang, Aiguo Wu, Zenghui Wang, Shijian Cang "Chaotic and subharmonic oscillations in a DC–DC boost converter with PWM voltage–current hybrid controller and parallel MR load", November 2019, Nonlinear Dynamics, Q1 , DOI: 10.1007/s11071-019-05357-z https://www.webofscience.com/wos/woscc/full-record/WOS:000501429400003	1	5	3,20
	Min, R.; Lyu, D.; Cheng, S.; Sun, Y.; Li, L. Linearized Discrete Charge Balance Control with Simplified Algorithm for DCM Buck Converter. Energies 2019, Volume 12, Issue 16 DOI10.3390/en12163177, https://www.webofscience.com/wos/woscc/full-record/WOS:000484454000140	1	5	1,60
4	F. Renken, I.M. Pop-Calimanu , U. Schurmann "Novel multiphase hybrid Boost converter with wide conversion ratio", 2014 16th European Conference on Power Electronics and Applications, EPE'14-ECCE Europe, Lappeenranta, August 2014, pp. 1-10, WOS:000361460004022, ISSN: 2325-0313			
	A. Garrigós, D. Marroquí, A. García, J.M. Blanes, R. Gutiérrez, "Interleaved, switched-inductor, multi-phase, multi-device DC/DC boost converter for non-isolated and high conversion ratio fuel cell applications", International Journal of Hydrogen Energy, Volume 44, Issue 25, 2019, Pages 12783-12792, Q1 , ISSN 0360-3199, https://doi.org/10.1016/j.ijhydene.2018.11.094 . https://www.webofscience.com/wos/woscc/full-record/WOS:000470046500024	1	3	5,33

	Huangfu, YG; Ma, YH; Bai, H; Xu, LC; Wang, AB; Ma, R." A family of high gain fuel cell front-end converters with low input current ripple for PEMFC power conditioning systems", 2021, INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, Volume 46, Issue 53, Page 27156-27172 DOI:10.1016/j.ijhydene.2021.05.174 https://www.webofscience.com/wos/woscc/full-record/WOS:000685016900006	1	3	5,33
5	I.M. Pop-Calimanu , F. Prutianu, V. Popescu, "Design and Simulation of DC/DC Boost Converter used for a Distributed Sensing System Based on a Multidrop Sensor Network with RS485 Interface", 2012 10th International Symposium on Electronics and Telecommunication, ISETC '12, Timisoara, Romania, ISBN: 978-1-4673-1175-5(IEEE catalog number: CFP1203L-CDR), WOS:000318702700018, Noiembrie 2012, pp.79-82.			
	Lei Zhen, Zang Xinshan, Ye Rongbo, Zhang Xiangwen, Li Feng, Zhou Chang, Xu Xiaohui, Jiang Bing, Chen Xiaohui "A novel comprehensive evaluation method for state-of-health of lead-acid batteries," 2018 International Conference on Power System Technology (POWERCON), Guangzhou, 2018, pp. 3765-3770., Accession Number: WOS:000468051003134, ISBN:978-1-5386-6461-2, ISSN: 2641-5666Electronic ISBN: 978-1-5386-6461-2, USB ISBN: 978-1-5386-6460-5, Print on Demand(PoD) ISBN: 978-1-5386-6462-9, doi: 10.1109/POWERCON.2018.8601795 https://www.webofscience.com/wos/woscc/full-record/WOS:000468051003134	1	3	2,67
6	F. Renken, WS. Shen, C. Wang, I.M. Pop-Calimanu , A. Ciresan, "Multiphase Hybrid Buck-Boost Converter with Wide Conversion Ratio", 19th European Conference on Power Electronics and Applications (EPE ECCE Europe) Location: Warsaw, POLAND Date: SEP 11-14, 2017, WOS:000418374406031, ISBN:978-9-0758-1527-6, ISSN: 2325-0313			
	Laszlo Molnar, Aurelian Kotlar, Septimiu Lica, "High Power Switch using IGBT and GaN MOSFET A solution proposal", 2018, Design and Technology in Electronic Packaging (SIITME) 2018 IEEE 24th International Symposium for, pp. 43-48, https://www.webofscience.com/wos/woscc/full-record/WOS:000466960400008	1	5	1,60
7	F. Prutianu, I.M. Pop-Calimanu , V. Popescu, "Validation system for power supply module part of automotive ECUs", 2012 10th International Symposium on Electronics and Telecommunication, ISETC '12, Timisoara, Romania, ISBN: 978-1-4673-1175-5(IEEE catalog number: CFP1203L-CDR), Noiembrie 2012, pp.75-78			
	H. R. Sukhesh and M. Mahesh, "NI-Lab VIEW Based Automated Testing of Electronic Control Unit," 2018 Second International Conference on Inventive Communication and Computational Technologies (ICICCT), Coimbatore, 2018, pp. 96-101. Electronic ISBN: 978-1-5386-1974-2, DVD ISBN: 978-1-5386-1973-5, Print on Demand(PoD) ISBN: 978-1-5386-1975-9, doi: 10.1109/ICICCT.2018.8472990 https://www.webofscience.com/wos/woscc/full-record/WOS:000456251700019	1	3	2,67
	Biba, Diana-Raluca, Ciprian Sorândaru, Codruța Ancuți, and Sorin Mușuroi. "An Experimental Study of Temperature Influence for A Gate Driver and Power MOSFETS Used in A 48v Transmission Control Unit for A BLDC Actuator Control." In 2019 International Conference on ENERGY and ENVIRONMENT (CIEM), pp. 104-108. IEEE, 2019. https://www.webofscience.com/wos/woscc/full-record/WOS:000630902700023	1	3	2,67
8	Pop-Calimanu, Ioana-Monica , Sorin Popescu, and Dan Lascu. 2022. "A New SEPIC-Based DC-DC Converter with Coupled Inductors Suitable for High Step-Up Applications" Applied Sciences 12, no. 1: 178. APPLIED SCIENCES-BASEL, Volume 12, Issue 1, Article Number 178, DOI:10.3390/app12010178, Published JAN 2022, Indexed 2022-03-06, Accession Number WOS:000758849400001, eISSN 2076-3417 Q2			
	Raja Elangovan and Karpagam Nagarajan " SEPIC-Based DC-DC Converter with Soft Switching Operation for Wide Conversion Operation of E-Automobiles", 2024, Electric Power Components and Systems, 2024, Volume 52, - Issue 3, https://doi.org/10.1080/15325008.2023.2227167 Page 471-486 https://www.webofscience.com/wos/woscc/full-record/WOS:001031477600001	1	3	2,67
	Khaled A. Mahafzah, Ali Q. Al-Shetwi, M. A., Hannan, Thanikanti Sudhakar Babu, and Nnamdi Nwulu, A New Cuk-Based DC-DC Converter with Improved Efficiency and Lower Rated Voltage of Coupling Capacitor, Sustainability, 2023, Volume 15, Issue 11, DOI:10.339/su15118515 https://www.webofscience.com/wos/woscc/full-record/WOS:0010065770000115	1	3	5,33
	Jarinya Thaloy; Parinya Jansengrat; Weena Janratchakool; Saranpong Nooyimsai; Jaturapith Krohkaew; Padma Nyoman Cr, Thwe, Y " Solar-Powered IoT Charging System for ESP32 in Organic Rice Field" 2023, 18th International Joint Symposium on Artificial Intelligence and Natural Language Processing (ISAI-NLP), IEEE, DOI: 10.1109/ISAI-NLP60301.2023.10354542 https://www.webofscience.com/wos/woscc/full-record/WOS:001139627800001	1	3	2,67

	Naik, MD; Vinatha, U., "Ripple Current Reduction of Double-Gain SEPIC Converter Using Coupled Inductor" 2022 IEEE INTERNATIONAL CONFERENCE ON POWER ELECTRONICS, DRIVES AND ENERGY SYSTEMS, PEDES, DOI10.1109/PEDES56012.2022.10080034 https://www.webofscience.com/wos/woscc/full-record/WOS:000982827600038	1	3	2,67
	Seguel, J ; Seleme, S ; Morais, LMF,"Comparative Study of Buck-Boost, SEPIC, Cuk and Zeta DC-DC Converters Using Different MPPT Methods for Photovoltaic Applications" , 2022, ENERGIES, Volume 15, Issue 21, DOI10.3390/en15217936 https://www.webofscience.com/wos/woscc/full-record/WOS:000882686200001	1	3	2,67
	Laugner, M and Eberle, T, " Influence of the parasitic series inductance of the coupling capacitor of a SEPIC to the coil current waveforms with coupled inductors" 2022 IEEE 31ST INTERNATIONAL SYMPOSIUM ON INDUSTRIAL ELECTRONICS (ISIE) , pp.540-545 https://www.webofscience.com/wos/woscc/full-record/WOS:000946662000082	1	3	2,67
9	D. -A. Botila, I. -M. Pop-Calimanu and D. Lascu, "A Novel Single Switch Step Down Converter," 2021 IEEE 19th International Power Electronics and Motion Control Conference (PEMC), 2021, pp. 31-38, doi: 10.1109/PEMC48073.2021.9432498.			
	Rodriguez-Cortes, CJ.; Martinez-Rodriguez, PR.; Sosa-Zuniga, JM; Langarica-Cordoba, D.; Cisneros-Montoya, R.; Vazquez-Guzman, G.; Reyes-Cruz, D.," Comparative analysis and control design of two non-isolated DC-DC converters with high reduction ratio" 2024 ELECTRICAL ENGINEERING, DOI10.1007/s00202-024-02642-y https://www.webofscience.com/wos/woscc/full-record/WOS:001283266100001	1	3	2,67
10	Pop-Calimanu, Ioana-Monica , Maria Balint, and Dan Lascu. 2020. "A New Hybrid Ćuk DC-DC Converter with Coupled Inductors" Electronics 9, no. 12: 2188. Volume9 Issue12, Article Number 2188, DOI10.3390/electronics9122188, Published DEC 2020, Indexed 2021-01-12, Accession Number WOS:000601967600001, eISSN2079-9292 Q3			
	Lovasz, EA; Lascu, D and Lica, S, "Digitally Controlled Hybrid Switching Step-Up Converter", 2024, ELECTRONICS, Volume 13, Issue 9, DOI10.3390/electronics13091740 https://www.webofscience.com/wos/woscc/full-record/WOS:001220076300001	1	3	5,33
11	Mirsu Radu , Georgiana Simion, Catalin D. Căleanu and Ioana M.Pop-Calimanu . 2020. " A PointNet-Based Solution for 3D Hand Gesture Recognition " Sensors 20, no. 1:3226. Volume 20, Issue 11, Article number 3226, DOI10.3390/s20113226, Published Jun 2020, Indexed 2020-08-12, Accession Number WOS:000552737900219, PubMed ID32517141 Q1			
	Moon, J; Kim, BK and Kang, J, " Fixed Point Cloud Normalization and None-Sequential Modeling for Hand Gesture Recognition Based on Short-Range mmWave Radar Sensor's Sparse Time-Series Point Cloud" 2024, IEEE SENSORS JOURNAL, Volume 24, Issue 7, Page 10656-10668, DOI10.1109/JSEN.2024.3362473 https://www.webofscience.com/wos/woscc/full-record/WOS:001245574600146	1	4	4,00
	Xu, M; Liu, BY ; Luo, ZY ; Ma, HY; Sun, M; Wang, YQ ; Yin, NB ; Tang, XJ; Song, T, "Using a New Deep Learning Method for 3D Cephalometry in Patients With Cleft Lip and Palate", 2023, JOURNAL OF CRANIOFACIAL SURGERY, Volume 34, Issue 5, Page 1485-1488, DOI10.1097/SCS.0000000000009299 https://www.webofscience.com/wos/woscc/full-record/WOS:001024074200077	1	4	2,00
	Pang, YJ; Gong, YJ and Hao, XA, " Hand Gesture Recognition Based on Point Cloud Sequences and Inverse Kinematics Model" , 2023, IEEE ACCESS Volume 11, Page 44082-44091 DOI10.1109/ACCESS.2023.3272746 https://www.webofscience.com/wos/woscc/full-record/WOS:000988442200001	1	4	4,00
	Zhang, KY ; Hong, R ; Gai, SY; Da, FP, "Three-Dimensional Human Hand Pose Estimation Based on Finger-Point Reinforcement and Multi-Level Feature Fusion" 2022, ACTA OPTICA SINICA Volume 42 Issue 19, DOI10.3788/AOS202242.1915001 https://www.webofscience.com/wos/woscc/full-record/WOS:000871733900016	1	4	2,00
	Valcan, S; Gaianu, M, " Eye Detection For Drivers Using Convolutional Neural Networks With Automatically Generated Ground Truth Data " 2022, 24TH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING, SYNASC Page 239-244 DOI10.1109/SYNASC57785.2022.00045 https://www.webofscience.com/wos/woscc/full-record/WOS:001058283600037	1	4	2,00
	Bai, L; Li, YG and Cen, M, " Dynamic Intervisibility Analysis of 3D Point Clouds ", 2021, ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION Volume 10, Issue 11, DOI10.3390/ijgi10110782 https://www.webofscience.com/wos/woscc/full-record/WOS:000758830800001	1	4	4,00
	Chmurski, M; Mauro, G; Santra, A; Zubert, M; Dagasan, G, " Highly-Optimized Radar-Based Gesture Recognition System with Depthwise Expansion Module" 2021, SENSORS Volume 21, Issue 21, DOI10.3390/s21217298 https://www.webofscience.com/wos/woscc/full-record/WOS:000721128300001	1	4	4,00

	Yoon, H ; Jang, M; Huh, J; Kang, J; Lee, S, " Multiple Sensor Synchronization with theRealSense RGB-D Camera " 2021, SENSORS, Volume 21, Issue 18, DOI10.3390/s21186276 https://www.webofscience.com/wos/woscc/full-record/WOS:000701098400001	1	4	4,00
	Xing, ZZ ; Zhao, SF; Guo, W; Guo, XJ ; Wang, Y, " Processing Laser Point Cloud in Fully Mechanized Mining Face Based on DGCNN ", ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION, Volume 10, Issue 7, DOI10.3390/ijgi10070482 https://www.webofscience.com/wos/woscc/full-record/WOS:000676696100001	1	4	4,00
	Orhei, C; Vert, S ; Mocofan, M; VasIU, R, "End-To-End Computer Vision Framework: An Open-Source Platform for Research and Education ", 2021, SENSORS, Volume 21, Issue 11, DOI10.3390/s21113691 https://www.webofscience.com/wos/woscc/full-record/WOS:000660684600001	1	4	4,00
	Khan, FS; Mohd, MNH; Soomro, DM ; Bagchi, S; Khan, MD, " 3D Hand Gestures Segmentation and Optimized Classification Using Deep Learning ", 2021, IEEE ACCESS, Volume 9, Page 131614-131624, DOI10.1109/ACCESS.2021.3114871 https://www.webofscience.com/wos/woscc/full-record/WOS:000701240000001	1	4	4,00
	Liu, JB; Wang, Y; Liu, YC; Xiang, SM; Pan, CH, " 3D PostureNet: A unified framework for skeleton-based posture recognition" 2020, PATTERN RECOGNITION LETTERS, Volume 140, Page 143-149, DOI10.1016/j.patrec.2020.09.029 https://www.webofscience.com/wos/woscc/full-record/WOS:000595366500001	1	4	4,00
	Bublea, A; Căleanu, CD, " Deep Learning based Eye Gaze Tracking for Automotive Applications: An Auto-Keras Approach" 2020, 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Page 48-51, DOI10.1109/isetc50328.2020.9301091 https://www.webofscience.com/wos/woscc/full-record/WOS:000612681000013	1	4	2,00
12	G. -M. Jude, I. -M. Pop-Calimanu and F. Renken, "A New Step-Up Converter With Coupled Inductor," 2020 International Symposium on Electronics and Telecommunications (ISETC), 2020, pp. 1-4, doi: 10.1109/ISETC50328.2020.9301041.			
	Farahani, HJ; Rezvanyvardom, M; Mirzaei, A, " Non-isolated high step-up DC-DC converter based on switched-inductor switched-capacitor network for photovoltaic application", 2023, IET GENERATION TRANSMISSION & DISTRIBUTION, Volume 17, Issue 3, Page 716-729, DOI10.1049/gtd2.12700 https://www.webofscience.com/wos/woscc/full-record/WOS:000891727600001	1	3	2,67
13	R. Mîrșu, G. Simion, C. D. Căleanu, O. Ursulescu and I. P. Călimanu , "Deep Neural Networks vs Bag of Features for Hand Gesture Recognition," 2019 42nd International Conference on Telecommunications and Signal Processing (TSP), Budapest, Hungary, 2019, pp. 369-372. doi: 10.1109/TSP.2019.8768812			
	Valcan, S and Gaiianu, M, "Eye Detection For Drivers Using Convolutional Neural Networks With Automatically Generated Ground Truth Data", 2022 24TH INTERNATIONAL SYMPOSIUM ON SYMBOLIC AND NUMERIC ALGORITHMS FOR SCIENTIFIC COMPUTING, SYNASC, Page 39-244 DOI10.1109/SYNASC57785.2022.00045 https://www.webofscience.com/wos/woscc/full-record/WOS:001058283600037	1	5	1,60
	Bublea, A and Căleanu, CD," Deep Learning based Eye Gaze Tracking for Automotive Applications: An Auto-Keras Approach" 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Page 48-51, DOI10.1109/isetc50328.2020.9301091 https://www.webofscience.com/wos/woscc/full-record/WOS:000612681000013	1	5	1,60
14	W. Shen, I. Pop-Calimanu and F. Renken, "Test bench to optimize the Powertrain in Battery-Electric and Fuel-Cell Vehicles," 13th International Symposium on Electronics and Telecommunications (ISETC), Timisoara, Nov. 2018, pp. 141-144, WOS:000463031500032, ISBN:978-1-5386-5925-0.			
	Rassolkin, A; Rjabtsikov, V; Vaimann, T; Kallaste, A; Kuts, V, " Concept of the Test Bench for Electrical Vehicle Propulsion Drive Data Acquisition", 2020, 2020 XI INTERNATIONAL CONFERENCE ON ELECTRICAL POWER DRIVE SYSTEMS (ICEPDS), DOI10.1109/icepds47235.2020.9249078 https://www.webofscience.com/wos/woscc/full-record/WOS:000680657400004	1	3	2,67
15	F. Renken, W. Shen, U. Schürmann and I. Pop-Calimanu , "Multiphase DC/DC Converter and its Use in the Powertrain of Fuel Cell Vehicles," 2018 IEEE 18th International Power Electronics and Motion Control Conference (PEMC), Budapest, 2018, pp. 280-286, WOS:000462062900043, ISBN:978-1-5386-4198-9.			

	Hinov, N and Grigorova, T, " Design Considerations of Multi-Phase Buck DC-DC Converter", 2023, APPLIED SCIENCES-BASEL,Volume 13, Issue 19, DOI10.3390/app131911064 https://www.webofscience.com/wos/woscc/full-record/WOS:001081175400001	1	4	4,00
	Khaled, A; Hameed, MFO; Rahman, BMA; Grattan, KTV; Obayya, SSA; Hussein, M, " Characteristics of silicon nanowire solar cells with a crescent nanohole" 2020, OPTICS EXPRESS, Volume 28, Issue 21, Page 31020-31033, DOI10.1364/OE.397051 https://www.webofscience.com/wos/woscc/full-record/WOS:000581089500049	1	4	4,00
	Rahman, MT; Rahman, MS; Wang, HY; Tajik, S; Khalil, W; Farahmandi, F; Forte, D; Asadizanjani, N; Tehranipoor, M, " Defense-in-depth: A recipe for logic locking to prevail" 2020, INTEGRATION-THE VLSI JOURNAL, Volume 72, Page 39-57, DOI10.1016/j.vlsi.2019.12.007 https://www.webofscience.com/wos/woscc/full-record/WOS:000527890800005	1	4	2,00
	Rahman, MT and Asadizanjani, N, " Backside Security Assessment of Modern SoCs", 2019, 2019 20TH INTERNATIONAL WORKSHOP ON MICROPROCESSOR/SOC TEST, SECURITY AND VERIFICATION (MTV 2019),Page 18-24, DOI10.1109/MTV48867.2019.00012 https://www.webofscience.com/wos/woscc/full-record/WOS:000546169600004	1	4	2,00
	Shen, WS; Renken, F; Lascu, D," A New Multiphase ZVT-PWM Synchronous Buck Converter", 2020, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Page 199-202, DOI10.1109/isetc50328.2020.9301073 https://www.webofscience.com/wos/woscc/full-record/WOS:000612681000049	1	4	2,00
16	F. Renken, D. Piwczyk, WS. Shen, I.M. Pop-Calimanu , R. Steinberger-Wilckens, "A Novel Concept to Control the Powertrain in Battery Fuel Cell Hybrid Vehicles", 20th European Conference on Power Electronics and Applications (EPE ECCE Europe) Location: Riga, LATVIA Date: SEP 17-21, 2018, Accession Number: WOS:000450299300185, ISBN:978-9-0758-1528-3, ISSN: 2325-0313			
	Zhang, ZM ; Rex, A; Zhou, JM; Zhang, XF; Huang, GQ; Zhang, JM; Zhang, T," Dynamic Simulation Model and Experimental Validation of One Passive Fuel Cell-Battery Hybrid Powertrain for an Electric Light Scooter" 2023, SUSTAINABILITY, Volume 15, Issue 17, DOI10.3390/su151713180 https://www.webofscience.com/wos/woscc/full-record/WOS:001143415100001	1	5	3,20
17	I.M. Pop-Calimanu , S. Lica, D. Lascu, F. Renken, "A Novel Hybrid Buck-L Converter", 2018 20TH European Conference On Power Electronics And pplications (EPE'18 ECCE EUROPE), pp. P.1-P.10, Location: Riga, LATVIA Date: SEP 17-21, 2018, Accession Number: WOS:000450299300157, ISBN:978-9-0758-1528-3, ISSN: 2325-0313			
	Szczerba, P; Walsh, P; Grzesik, B; Worek, C, " A Bipolar Smart Power Synchronous Rectifier", 2021, 2021 IEEE 19TH INTERNATIONAL POWER ELECTRONICS AND MOTION CONTROL CONFERENCE (PEMC), Page 9-22, DOI10.1109/PEMC48073.2021.9432495 https://www.webofscience.com/wos/woscc/full-record/WOS:000723843000001	1	4	2,00
18	S. Lica, M. Gurbină, D. Lascu, I.M. Pop-Călimanu , A. Ciresan, "A Novel Stacked Step-Down Switching Converter", Joint International Conference OPTIM-ACEMP Optimization of Electrical&Electronic Equipment Aegean Conference on Electrical Machines&Power Electronics, pp. 549-554, 2017, WOS:000426909600083, ISBN:978-1-5090-4489-4			
	Szczerba, P; Walsh, P; Grzesik, B; Worek, C," A Bipolar Smart Power Synchronous Rectifier", 2021, 2021 IEEE 19TH INTERNATIONAL POWER ELECTRONICS AND MOTION CONTROL CONFERENCE (PEMC), Page 9-22, DOI10.1109/PEMC48073.2021.9432495 https://www.webofscience.com/wos/woscc/full-record/WOS:000723843000001	1	5	1,60
	Misal, S and Veerachary, M," Analysis and control of a single switch wider step-down gain DC-DC converter for low-voltage applications", 2020, INTERNATIONAL JOURNAL OF CIRCUIT THEORY AND APPLICATIONS, Volume 48, Issue 10, Page 1614-1637, DOI10.1002/cta.2855 https://www.webofscience.com/wos/woscc/full-record/WOS:000555835400001	1	5	1,60
	Misal, S and Veerachary, M, " Analysis of a Fourth-Order Step-Down Converter", 2020, IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Volume 56, Issue 3, Page 2773-2787, DOI10.1109/TIA.2020.2975500 https://www.webofscience.com/wos/woscc/full-record/WOS:000559740800063	1	5	3,20
19	I.M. Pop-Calimanu , D. Lascu, S. Lica, M. Gurbină, F. Renken, "A New Hybrid Boost-L Converter", 19th International Symposium on Power Electronics (Ee), pp. 1-6, Location: NOVI SAD, SERBIA Date: OCT 19-21, 2017, WOS:000426894600012, ISBN:978-1-5386-3502-5			

	Szczerba, P; Walsh, P; Grzesik, B; Worek, C," A Bipolar Smart Power Synchronous Rectifier", 2021, 2021 IEEE 19TH INTERNATIONAL POWER ELECTRONICS AND MOTION CONTROL CONFERENCE (PEMC), Page 9-22, DOI10.1109/PEMC48073.2021.9432495 https://www.webofscience.com/wos/woscc/full-record/WOS:000723843000001	1	5	1,60
20	S. Lica, I.M. Pop-Calimanu , D. Lascu, A. Ciresan, M. Gurbină, "A New Stacked Step-Up Converter", 40th International Conference on Telecommunications and Signal Processing (TSP), pp. 315-319, Location: Barcelona, SPAIN, Date: JUL 05-07, 2017, WOS:000425229000069, ISBN:978-1-5090-3982-1			
	Pai, KJ, "Development and Implementation of a DCM Boost Converter With Multilayer Stacked Circuits Achieving High Voltage Gain" 2024, IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONIC, Volume 71, Issue 7, Page 7042-7052, DOI10.1109/TIE.2023.3292858 https://www.webofscience.com/wos/woscc/full-record/WOS:001076422400001	1	5	3,20
	Lica, S; Vatau, V; Lascu, D; Tomoroga, M," A Generalized Model for Stacked Boost Single-Switch Converters", 2020 IEEE 26TH INTERNATIONAL SYMPOSIUM FOR DESIGN AND TECHNOLOGY IN ELECTRONIC PACKAGING (SIITME 2020), Page 386-389,DOI10.1109/siitme50350.2020.9292210 https://www.webofscience.com/wos/woscc/full-record/WOS:000651085100082	1	5	1,60
	Botila, DA and Lascu, D, " A Novel Single Switch Step-Up Converter with High Conversion Ratio ", 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Page 207-210, DOI10.1109/isetc50328.2020.9301126 https://www.webofscience.com/wos/woscc/full-record/WOS:000612681000051	1	5	1,60
21	I.M. Pop-Calimanu , F. Renken, "New Multiphase Hybrid Boost Converter with Wide Conversion Ratio for PV System", Hindawi Publishing Corporation International Journal of Photoenergy, vol 2014, Article ID 637468, 17 pages, WOS:000335769800001, ISSN: 1110-662X, eISSN: 1687-529X, Q1			
	Dasari, RK and Dharmaraj, GI, " A novel cluster switched inductor-based high step-up hybrid DC-DC converter", 2022, ELECTRICAL ENGINEERING, Volume 104, Issue 3, Page 1839-1856, DOI10.1007/s00202-021-01439-7 https://www.webofscience.com/wos/woscc/full-record/WOS:000722119300001	1	2	4,00
	Shen, WS; Renken, F; Lascu, D," A New Multiphase ZVT-PWM Synchronous Buck Converter", 2020, 2020 14TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC), Page 199-202, DOI10.1109/isetc50328.2020.9301073 https://www.webofscience.com/wos/woscc/full-record/WOS:000612681000049	1	2	4,00
22	Botila, D.A.; Pop-Calimanu, I.M. ; Lascu, D. Cubic buck-boost converter with high step-up capability. In Proceedings of the 2022 International Symposium on Electronics and Telecommunications (ISETC), Timisoara, Romania, 10–11 November 2022; pp. 1–4. IEEE,			
	Tofoli, FL; Carlos, TMJ and Morais, AS, "Review, Properties, and Synthesis of Single-Switch Non-Isolated DC-DC Converters with a Wide Conversion Range", 2024, Sensors, Volume 24, Issue 7, DOI10.3390/s24072264 https://www.webofscience.com/wos/woscc/full-record/WOS:001201220800001	1	3	5,33
23	S. Lica, I.M. Pop-Calimanu , D. Lascu, S. Popescu, M. Tomoroga and A. Ciresan, "A New Hybrid Ćuk Converter," 13th International Symposium on Electronics and Telecommunications (ISETC), Timisoara, Nov. 2018, Pages: 133-136, WOS:000463031500030, ISBN:978-1-5386-5925-0.			
	Muñoz-Galeano, N; López-Lezama, JM and Cano-Quintero, JB,"Modelling of hybrid Cuk converters using the methodology of voltage and current references", 2022, UIS INGENIERIAS, Volume 21 Issue 4, DOI10.18273/revuin.v21n4-2022005 https://www.webofscience.com/wos/woscc/full-record/WOS:000880036800002	1	6	1,33
24	M. Gurbina, I.M. Pop-Calimanu , D. Lascu, S. Lica and A. Ciresan, "Exact Stability Analysis of a Two-Phase Boost Converter," 2018 41st International Conference on Telecommunications and Signal Processing (TSP), Athens, Greece, 2018, pp. 334-33, WOS:000454845100075, ISBN:978-1-5386-4695-3.			
	Akca, H; Aktas, A," dc/dc Boost Converter Topologies and Experimental Comparison in Electric Vehicle to Grid Applications" 2024, JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, DOI10.2339/politeknik.1405319 https://www.webofscience.com/wos/woscc/full-record/WOS:001195538300001	1	5	1,60

25	I.M Pop-Calimanu, S. Lica, D. Lascu, F. Renken, M. Gurbina and R. Mirsu, "A Novel Hybrid Step-Down DC-DC Converter," 2018 IEEE 18th International Power Electronics and Motion Control Conference (PEMC), Budapest, 2018, pp. 34-39, WOS:000462062900004, ISBN:978-1-5386-4198-9.			
	Misal, S; Veerachary, M, " Analysis of a Fourth-Order Step-Down Converter", 2020,IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Volume 56, Issue 3, Page 2773-2787 DOI10.1109/TIA.2020.2975500 https://www.webofscience.com/wos/woscc/full-record/WOS:000559740800063	1	6	2,67
26	Botila, Delia-Anca ; Pop-Calimanu, Ioana-Monica ; Lascu, Dan, " Buck Converter with Cubic Static Conversion Ratio", 2024, SENSORS, Volume 24, Issue 2, DOI10.3390/s24020696			
	Christopher J. Rodriguez-Cortes, Panfilo R. Martinez-Rodriguez, Jose M. Sosa-Zuniga, Diego Langarica-Cordoba, Rafael Cisneros-Montoya, Gerardo Vazquez-Guzman & David Reyes-Cruz, " Comparative analysis and control design of two non-isolated DC–DC converters with high reduction ratio", 2024, Electrical Engineering, SPRINGER, https://www.webofscience.com/wos/alldb/full-record/WOS:001283266100001	1	3	5,33
	Total A3.1.1	72,00		197,33
	Legenda: Galben - articolul care este citat			
	Mov deschis - articol incadrat in quartila Q1 sau Q2, in prima jumatate, unde se dubleaza punctajul			
	A3.1.2 Citări în cărți, reviste și volume ale unor manifestări științifice cotate BDI	Numar de citari ale articolului	Numar autori	Punctaj
1	I.M Pop-Calimanu, T. Anna, V. Popescu, G. Muntean, "A Low Cost System for Testing and Monitoring the Performance of Photovoltaic Module", Advances in Electrical and Computer Engineering, vol 13, issue 4, pp. 93-98, 2013, Accession Number: WOS:000331461300016, ISSN: 1582-7445, eISSN: 1844-7600			
	Кычкин, А. В., and Г. П. Микрюков. "Организация системы мониторинга энергетических параметров на базе JEVIS-совместимых технологий." In the World of Scientific Discoveries/V Mire Nauchnykh Otkrytiy, Vol. 69 Issue 10.2, pp. 802-814, 2015, https://www.elibrary.ru/item.asp?id=24851119	1	4	1,00
	Kychkin, Aleksey, and Ksenia Sinitcina. "Hardware-in-the-loop simulation and energy monitoring software for microgrid research." Энергобезопасность и энергосбережение 4 (2018), pp. 41-47, eLIBRARY ID: 35384768, DOI: 10.18635/2071-2219-2018-4-41-47	1	4	1,00
2	I.M. Pop-Calimanu, S. Lica, S. Popescu, D. Lascu, I. Lie, R. Mirsu, "A New Hybrid Inductor-Based Boost DC-DC Converter Suitable for Applications in Photovoltaic Systems", ENERGIES, Volume: 12 Issue: 2 Article Number: 252, Published: JAN 2019, DOI: 10.3390/en12020252, Accession Number: WOS:000459743700053, ISSN: 1996-1073			
	Aishwarya Tripathy; Manoj Kumar Kar, " Voltage Profile Enhancement of a 33 Bus System Integrated with Renewable Energy Sources and Electric Vehicle", 2021 8th International Conference on Signal Processing and Integrated Networks (SPIN), IEEE, DOI: 10.1109/SPIN52536.2021.9566111 https://ieeexplore.ieee.org/abstract/document/9566111	1	6	0,67
	Vijay Chand; Saurabh V Kumar; Dr. Rajnish Bhasker, " A APOD PWM based Seventeen level Inverter with less Total Harmonic Distortion", 2023, 14th International Conference on Computing and Networking Technology (ICCN), IEEE, DOI: 10.1109/ICCN56998.2023.10307005 https://ieeexplore.ieee.org/abstract/document/10307005	1	6	0,67
	Divesh Kumar, " Stabilization of Boost Converter Connected to Photovoltaic Source Using PID Controller", 2020, Recent Advances in Power Electronics and Drives, Conference paper, SPRINGER, pp 131–140 https://link.springer.com/chapter/10.1007/978-981-15-8586-9_13	1	6	0,67
	Davut Ertekin; Mesut Berke Bilgiç; Bülent Mutlu, " An Efficient Full-wave and Switched-capacitor-based AC-DC-DC Converter Configuration; Applicable for High Voltage Gain Industrial Utilizations", 2021, 13th International Conference on Electrical and Electronics Engineering (ELECO), DOI: 10.23919/ELECO54474.2021 https://ieeexplore.ieee.org/abstract/document/9677690	1	6	0,67

	MALIKH ALMANSURI, " A MULTIPLE-INPUT DC-DC CONVERTER TOPOLOGY", 2020, Doctoral Thesis, https://docs.neu.edu.tr/library/8887213190.pdf	1	6	0,67
	Akter, Khadiza, Motakabber S.M.A.,Zahirul Alam A.H.M.,Yusoff, Siti Hajar, Ahmed, Sajib,Annur, Tania," Performance inspection of high gain chopper designed to extract optimum output of photovoltaic source", 2023, International Journal of Power Electronics and Drive Systems, Volume 14, Issue 4, Pages 2204 - 2216 December 2023	1	6	0,67
	Mikulik M., Háze J." Accumulator three phase converter", 2022, Proceedings II of the Conference Student EEICTOpen AccessPages 101 - 1042022 28th Annual STUDENT Electrical Engineering, Information Science, and Communication Technologies Conference, EEICT 2022 Brno 26 April 2022 through 26 April 2022 Code 295179, DOI 10.13164/eeict.2022.101, ISBN 978-802146030-0	1	6	0,67
3	I.M. Pop-Calimanu, F. Renken, "New Multiphase Hybrid Boost Converter with Wide Conversion Ratio for PV System", Hindawi Publishing Corporation International Journal of Photoenergy, vol 2014, Article ID 637468, 17 pages, WOS:000335769800001, ISSN: 1110-662X, eISSN: 1687-529X			
	Hariharan, R., Praveen, M., Govindaraj, R.. and Karthikeyan, G." Control design of hybrid converter for PHEV and domestic load using virtual instrumentation", International Journal of Applied Engineering Research, Volume 10, Issue 4 Special Issue, 2015, Pages 3647-3649.	1	2	2,00
	N. Nisso, Raidandi Danwe, Noël Djongyang and Francis-Daniel Menga "Modeling and analysis of boost converter in small-signals applied to the wind energy conversion system using Matlab/Simulink", 2018, Journal of Renewable Energies/Revue des Energies Renouvelables, vol. 21,no. 4, Pp. 635-649, BDI DOI: https://doi.org/10.54966/jreen.v21i4.717 https://revue.cder.dz/index.php/rer/article/view/717/1164	1	2	2,00
	X Ke, M Chen, " Multiple-phase switched-capacitor-inductor boost converter techniques", US Patent 10,811,971, 2020 - Google Patents https://patents.google.com/patent/US10811971B2/en	1	2	2,00
	D Kwon, MK Song, J Zhang, M Chen, " Multi-phase buck-boost converter", US Patent 11,824,451, 2023 - Google Patents https://patents.google.com/patent/US11824451B2/en	1	2	2,00
	Vishnu S," Simulation of Hybrid Boost Fly Back Converter: A Virtual Hardwar e-in-The-Loop Simulation Approach" 2020, An International Journal Perspectives in Communication, Embedded-Systems and Signal-Processing, Vol. 4 No. 5 (2020): Issue 5, DOI: https://doi.org/10.5281/zenodo.4018951 http://pices-journal.com/ojs/index.php/pices/article/view/223	1	2	2,00
	ZL Eldredge, " The Modified-Multiphase Boost Converter: Combined Inductors and Capacitors Topology", 2018, California Polytechnic State University ProQuest Dissertations & Theses https://www.proquest.com/openview/c6a316653e501a47c3f75258540b834a/1?pq-origsite=gscholar&cbl=18750&diss=y sau https://digitalcommons.calpoly.edu/theses/1910/	1	2	2,00
4	Mirsu Radu, Georgiana Simion, Catalin D. Căleanu and Ioana M.Pop-Calimanu. 2020. " A PointNet-Based Solution for 3D Hand Gesture Recognition " Sensors 20, no. 1:3226. Volume 20, Issue 11, Article number 3226, DOI10.3390/s20113226, Published Jun 2020, Indexed 2020-08-12, Accession Number WOS:000552737900219, PubMed ID32517141 Q1			
	AFMS Saif, ZR Mahayuddin, "An efficient method for hand gesture recognition using robust features vector", 2021, Journal Information System and Technology Management (JISTM), Volume 6, Issue 22,Pages 25-35 ISSN 0128-1666 https://researchportal.helsinki.fi/en/publications/an-efficient-method-for-hand-gesture-recognition-using-robust-fea	1	4	1,00
	Mihai Traian Andreescu; Căţalin Daniel Căleanu; Radu Mîrşu," A Brief Overview on Deep Learning-Based Person Re-Identification", 2023, 27th International Conference on System Theory, Control and Computing (ICSTCC), IEEE, DOI: 10.1109/ICSTCC59206.2023.10308455 https://ieeexplore.ieee.org/document/10308455	1	4	1,00
	F Salam Khan," Mask segmentation and classification with enhanced grasshopper optimization of 3D hand gestures", 2023, Doctoral Thesis, 2023 - eprints.uthm.edu.my http://eprints.uthm.edu.my/10831/	1	4	1,00
	H Deng, Y Lei, W Dai, C Jin, Y Shi, W Shen, et.al., "Point Cloud Deep Learning-Based Automatic Grading of the Level of Tooth Wear", 2024, https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4827656	1	4	1,00
5	F. Renken, I.M. Pop-Calimanu, U. Schurmann "Novel multiphase hybrid Boost converter with wide conversion ratio", 2014 16th European Conference on Power Electronics and Applications, EPE'14-ECCE Europe, Lappeenranta, August 2014, pp. 1-10, WOS:000361460004022, ISSN: 2325-0313			

	Seyezhai, R., and A. N. Nirubha. "Design and Development of High Voltage Power Converter for X-ray Power Generators." International Journal of Pure and Applied Mathematics, Volume 118, No. 24, pp. 1-14, ISSN: 1314-3395 (on-line version), url: http://www.acadpubl.eu/hub/2018(2018) .	1	3	1,33
	ZM Hay," A Multiphase Modified Boost Converter with Reduced Input Current Ripple: Split Inductance and Capacitance Configuration", 2018, Master Thesis, California Polytechnic State University ProQuest Dissertations & Theses, 2018. 30512257. https://www.proquest.com/openview/763a858b9416df8529ce2ab1c2781f04/1?cbl=18750&diss=y&pq-origsite=gscholar&parentSessionId=kubpLm7vquZUIYdJgL8%2Fa0B%2BZ7ZbFUIGhNUs7w6G1RM%3D sau https://digitalcommons.calpoly.edu/cgi/viewcontent.cgi?article=3176&context=theses	1	3	1,33
	Nissan, Omri. " A Multiphase Modified Boost Converter with Reduced Input Current Ripple: Combined Capacitors", 2018, Master Thesis, California Polytechnic State University ProQuest Dissertations & Theses, 2018. 30512247. https://digitalcommons.calpoly.edu/cgi/viewcontent.cgi?article=3286&context=theses	1	3	1,33
6	I.M. Pop-Calimanu , F. Prutianu, V. Popescu, "Design and Simulation of DC/DC Boost Converter used for a Distributed Sensing System Based on a Multidrop Sensor Network with RS485 Interface", 2012 10th International Symposium on Electronics and Telecommunication, ISETC '12, Timisoara, Romania, ISBN: 978-1-4673-1175-5(IEEE catalog number: CFP1203L-CDR), WOS:000318702700018, Noiembrie 2012, pp.79-82.			
	Sastry, J.K.R., Naga Sai Tejasvi, T., Aparna, J., "Building heterogeneous distributed embedded systems through rs485 communication protocol", ARPN Journal of Engineering and Applied Sciences, Volume 10, Issue 16, November 18, 2015, Pages 6793-6803	1	3	1,33
	Sastry, J.K.R., Naga Sai Tejasvi, T., Aparna, J., "Dynamic scheduling of message flow within a distributed embedded system connected through a RS485 network", ARPN Journal of Engineering and Applied Sciences, Volume 12, Issue 9, 1 May 2017, Pages 2809-2817	1	3	1,33
7	F. Prutianu, I.M. Pop-Calimanu , V. Popescu, "Validation system for power supply module part of automotive ECUs", 2012 10th International Symposium on Electronics and Telecommunication, ISETC '12, Timisoara, Romania, ISBN: 978-1-4673-1175-5(IEEE catalog number: CFP1203L-CDR), Noiembrie 2012, pp.75-78			
	Shruthi T S, K H Naz Mufeeda, "Using VT System for Automated Testing of ECU", IOSR Journal of Computer Engineering (IOSR-JCE) e-ISSN: 2278-0661,p-ISSN: 2278-8727, Volume 18, Issue 3, Ver. V (May-Jun. 2016), PP 28-31 https://www.iosrjournals.org/iosr-jce/papers/Vol18-issue3/Version-5/D1803052831.pdf	1	3	1,33
	DR Popa," Contribuții privind proiectarea circuitelor aferente unității electronice de control al transmisiei automate din domeniul automotive", 2023, Doctoral Thesis, https://dspace.upt.ro/jspui/handle/123456789/6390	1	3	1,33
8	W. Shen, I. Pop-Calimanu and F. Renken, "Test bench to optimize the Powertrain in Battery-Electric and Fuel-Cell Vehicles," 13th International Symposium on Electronics and Telecommunications (ISETC), Timisoara, Nov. 2018, pp. 141-144, doi: 10.1109/ISETC.2018.8583979, Accession Number: WOS:000463031500032			
	T. Winkler and H. Ziegerhofer, "Design and Functional Demonstration of a 100 A Battery Testing Unit with Minimal Power Supply Load," 2019 International Conference on Electrical Drives & Power Electronics (EDPE), The High Tatras, Slovakia, 2019, pp. 42-47. doi: 10.1109/EDPE.2019.8883938	1	3	1,33
	Viktor Rjabtšikov; Mahmoud Ibrahim; Anton Rassölkin; Toomas Vaimann; Ants Kallaste,"EV-Powertrain Test Bench for Digital Twin Development" 2022 IEEE 20th International Power Electronics and Motion Control Conference (PEMC), Brasov, Romania, DOI: 10.1109/PEMC51159.2022.9962879 https://ieeexplore.ieee.org/abstract/document/9962879	1	3	1,33
	Folker Renken; Wensong Shen, "Control Method for Multiphase DC-DC Converter in Drive Train of Fuel Cell Vehicles", 2022 International Symposium on Electronics and Telecommunications (ISETC), IEEE, Timisoara, Romania, DOI: 10.1109/ISETC56213.2022.10010177 https://ieeexplore.ieee.org/abstract/document/10010177	1	3	1,33
	W Shen," Converters for optimizing power distribution in fuel cell vehicles", 2022, Doctoral Thesis, dspace.upt.ro	1	3	1,33

9	S. Lica, I.M. Pop-Calimanu , D. Lascu, A. Ciresan, M. Gurbină, "A New Stacked Step-Up Converter", 40th International Conference on Telecommunications and Signal Processing (TSP), pp. 315-319, Location: Barcelona, SPAIN, Date: JUL 05-07, 2017, WOS:000425229000069, ISBN:978-1-5090-3982-1			
	Septimiu Lica; Mihai-Vasile Popescu; Ioan Lie; Dan Lascu," A New Triple-Stacked Step-Up Converter for High-Voltage Gain", 2023 IEEE 29th International Symposium for Design and Technology in Electronic Packaging (SIITME), DOI: 10.1109/SIITME59799.2023.10430959 https://ieeexplore.ieee.org/abstract/document/10430959	1	5	0,80
	M Gurbină," Stabilitate, bifurcație și haos la convertoare DC-DC în comutație", 2019, Doctoral Thesis, dspace.upt.ro	1	5	0,80
10	I.M. Pop-Calimanu , D. Lascu, S. Lica, M. Gurbină, F. Renken, "A New Hybrid Boost-L Converter", 19th International Symposium on Power Electronics (Ee), pp. 1-6, Location: NOVI SAD, SERBIA Date: OCT 19-21, 2017, WOS:000426894600012, ISBN:978-1-5386-3502-5			
	F.M. Boendermaker; D.C. Zuidervliet; P.J. van Duijsen," A low cost implementation of a dual-stage interleaved bidirectional boost converter", 2022 International Conference on Electrical, Computer and Energy Technologies (ICECET), IEEE, DOI: 10.1109/ICECET55527.2022.9872985 https://ieeexplore.ieee.org/abstract/document/9872985	1	5	0,80
11	S. Lica, M. Gurbină, D. Lascu, I.M. Pop-Călimanu , A. Ciresan, "A Novel Stacked Step-Down Switching Converter", Joint International Conference OPTIM-ACEMP Optimization of Electrical&Electronic Equipment Aegean Conference on Electrical Machines&Power Electronics, pp. 549-554, 2017, WOS:000426909600083, ISBN:978-1-5090-4489-4			
	Jaldu Asish; Megha T S; N Laqueta; Rashmi Seethur," Efficient Fourth-Order Buck Converter Design for Hybrid Electric Vehicle Power Systems with State Space Average Modeling and Control", 2024 IEEE 14th Annual Computing and Communication Workshop and Conference (CCWC), IEEE, DOI: 10.1109/CCWC60891.2024.10427747 https://ieeexplore.ieee.org/abstract/document/10427747	1	5	0,80
12	M. Gurbina, A. Ciresan, D. Lascu, S. Lica, I.M. Pop-Calimanu , "A New Exact Mathematical Approach for Studying Bifurcation in DCM Operated dc-dc Switching Converters", ENERGIES, Volume: 11 Issue: 3 Article Number: 663 Published: MAR 2018, DOI: 10.3390/en11030663, Accession Number: WOS:000428304300191, ISSN: 1996-1073			
	S Padhee, R Murari," Study the effect of right-half plane zero on voltage-mode controller design for boost converter", 2022, Control Applications in Modern Power Systems, Conference paper, SPRINGER, pp 95–106 https://link.springer.com/chapter/10.1007/978-981-19-0193-5_9	1	5	0,80
	Mircea Gurbina, Dan Lascu, Septimiu Lica, Cristina Laura Sirbu," Exact Mathematical Analysis of DC-DC Converters Employing Type 3 Controllers", 2023 https://doi.org/10.21203/rs.3.rs-3220144/v1 researchsquare.com https://www.researchsquare.com/article/rs-3220144/v1	1	5	0,80
	K Lipinski,"Forced Vibrations in a Dynamic System That Is Damped By a Mechanism Which Trans-Pass Through Its Singular Position", 2021, Dynamical Systems Theory and Applications, SPRINGER, Perspectives in Dynamical Systems II — Numerical and Analytical Approaches Conference paper, pp 327–350 https://link.springer.com/chapter/10.1007/978-3-031-56496-3_21	1	5	0,80
	M Gurbină," Stabilitate, bifurcație și haos la convertoare DC-DC în comutație", 2019, Doctoral Thesis, dspace.upt.ro	1	5	0,80
13	Pop-Calimanu, Ioana-Monica , Sorin Popescu, and Dan Lascu. 2022. "A New SEPIC-Based DC-DC Converter with Coupled Inductors Suitable for High Step-Up Applications" Applied Sciences 12, no. 1: 178.APPLIED SCIENCES-BASEL , Volume12, Issue1, Article Number 178, DOI10.3390/app12010178, Published JAN 2022, Indexed 2022-03-06, Accession NumberWOS:000758849400001, eISSN2076-3417 Q2			
	Ch. Amarendra; A. Ramesh; Ch. Govinda; K. V. S. R. Murthy; V. Srinivasa Rao; J. Pavan," Mitigation of Cross Coupling Effects in Series Configuration of PV D-MPPT Architecture with SEPIC Converter", 2023 International Conference on Advanced & Global Engineering Challenges (AGEC), IEEE, DOI: 10.1109/AGEC57922.2023.00041 https://ieeexplore.ieee.org/abstract/document/10327874	1	3	1,33

14	F. Renken, D. Piwczyk, W.S. Shen, I.M. Pop-Calimanu , R. Steinberger-Wilckens, "A Novel Concept to Control the Powertrain in Battery Fuel Cell Hybrid Vehicles", 20th European Conference on Power Electronics and Applications (EPE ECCE Europe) Location: Riga, LATVIA Date: SEP 17-21, 2018, Accession Number: WOS:000450299300185, ISBN:978-9-0758-1528-3, ISSN: 2325-0313			
	Folker Renken; Wensong Shen," Control Method for Multiphase DC-DC Converter in Drive Train of Fuel Cell Vehicles" 2022 International Symposium on Electronics and Telecommunications (ISETC), IEEE DOI: 10.1109/ISETC56213.2022.10010177 https://ieeexplore.ieee.org/abstract/document/10010177	1,00	5	0,80
	W Shen," Converters for optimizing power distribution in fuel cell vehicles", 2022, Doctoral Thesis, dspace.upt.ro	1	5	0,80
15	Botila, D.A.; Pop-Calimanu, I.M. ; Lascu, D. Cubic buck-boost converter with high step-up capability. In Proceedings of the 2022 International Symposium on Electronics and Telecommunications (ISETC), Timisoara, Romania, 10–11 November 2022; pp. 1–4. IEEE, [Google Scholar]			
	Malay Ranjan Khuntia; Mummadi Veerachary," Extended Boosting Range-Based-Non-Isolated Buck-Boost Converters With Continuous Input Current and Common Grounded Structure", 2024, IEEE Journal of Emerging and Selected Topics in Industrial Electronics (Volume: 5, Issue: 3, July 2024), Page(s): 813 - 826, DOI: 10.1109/JESTIE.2023.3321580 https://ieeexplore.ieee.org/abstract/document/10268990	1	3	1,33
	Qin Yao, Yida Zeng* and Qingui Jia," A Novel Non-Isolated Cubic DC-DC Converter with High Voltage Gain for Renewable Energy Power Generation System", 2024, Energy Engineering, 121(1), 221-241. https://doi.org/10.32604/ee.2023.041028 https://cdn.techscience.cn/files/energy/2024/TSP_EE-121-1/TSP_EE_41028/TSP_EE_41028.pdf	1	3	1,33
	Siripan Trakuldit, Kaweewat Tattiwong, Khomkrit Kaenthong, Vichit Malawech, Sommai Srisuk and Warachet Promprasit,"Analysis and Performance Evaluation of a Cubic Buck Converter", Eng. & Technol. Horiz., vol. 41, no. 1, 2024, Art. no. 410103 https://ph01.tci-thaijo.org/index.php/lej/article/view/253857	1	3	1,33
16	F. Renken, W. Shen, U. Schürmann and I. Pop-Calimanu , "Multiphase DC/DC Converter and its Use in the Powertrain of Fuel Cell Vehicles," 2018 IEEE 18th International Power Electronics and Motion Control Conference (PEMC), Budapest, 2018, pp. 280-286, WOS:000462062900043, ISBN:978-1-5386-4198-9.			
	Wensong Shen, Folker Renken, Dan Lascu, "Soft Switched Multiphase Converter with Parallel Resonant DC-Link Circuit", 2020 International Symposium on Electronics and Telecommunications (ISETC), pp.1-4, 2020.			
	Folker Renken; Wensong Shen, "Control Method for Multiphase DC-DC Converter in Drive Train of Fuel Cell Vehicles", 2022 International Symposium on Electronics and Telecommunications (ISETC), IEEE, Timisoara, Romania, DOI: 10.1109/ISETC56213.2022.10010177 https://ieeexplore.ieee.org/abstract/document/10010177	1	4	1,00
	W Shen," Converters for optimizing power distribution in fuel cell vehicles", 2022, Doctoral Thesis, dspace.upt.ro	1	4	1,00
17	I.M. Pop-Calimanu and F. Renken, "A Comparison between Single-Phase and Two-Phase Hybrid Buck L Converter", 2016, 12th International Symposium on Electronics and Telecommunication, ISETC '16, Timisoara, Romania, WOS:000390717800049, ISBN:978-1-5090-3748-3			
	Mircea Gurbina, Dan Lascu, Septimiu Lica, Cristina Laura Sirbu," Exact Mathematical Analysis of DC-DC Converters Employing Type 3 Controllers", 2023 https://doi.org/10.21203/rs.3.rs-3220144/v1 researchsquare.com https://www.researchsquare.com/article/rs-3220144/v1	1	2	2,00
18	D. -A. Botila, I. -M. Pop-Calimanu and D. Lascu, "A Novel Single Switch Step Down Converter," 2021 IEEE 19th International Power Electronics and Motion Control Conference (PEMC), 2021, pp. 31-38, doi: 10.1109/PEMC48073.2021.9432498.			

	Mircea Gurbina, Dan Lascu, Septimiu Lica, Cristina Laura Sirbu," Exact Mathematical Analysis of DC-DC Converters Employing Type 3 Controllers", 2023 https://doi.org/10.21203/rs.3.rs-3220144/v1 researchsquare.com https://www.researchsquare.com/article/rs-3220144/v1	1	3	1,33
19	Pop-Calimanu, Ioana-Monica , Maria Balint, and Dan Lascu. 2020. "A New Hybrid Ćuk DC-DC Converter with Coupled Inductors" Electronics 9, no. 12: 2188. Volume9 Issue12, Article Number 2188, DOI10.3390/electronics9122188, Published DEC 2020, Indexed 2021-01-12, Accession Number WOS:000601967600001, eISSN2079-9292 Q3			
	K. Iyswarya Annapoorani; V. Rajaguru; Ishaan Gautam; Ruchir Saraswat; Abhishek Pathak," Design and implementation of coupled inductor based high gain DC/DC converter", 2023, AIP Conf. Proc. 2581, 090007 (2023) https://doi.org/10.1063/5.0126204	1	3	1,33
	S SADAF, "Modeling, Design, And Implementation of High Gaing Power Electronic DC-DC Converters for Nanogrid Applications", 2022, Master Thesis, https://qspace.qu.edu.qa/bitstream/handle/10576/26370/Shima%20Sadaf_%20OGS%20Approved%20Dissertation.pdf?sequence=1	1	3	1,33
20	I.M. Pop-Calimanu , S. Lica, D. Lascu, F. Renken, "A Novel Hybrid Buck-L Converter", 2018 20TH European Conference On Power Electronics And pplications (EPE'18 ECCE EUROPE), pp. P.1-P.10, Location: Riga, LATVIA Date: SEP 17-21, 2018, Accession Number: WOS:000450299300157, ISBN:978-9-0758-1528-3, ISSN: 2325-0313			
	Mircea Gurbina, Dan Lascu, Septimiu Lica, Cristina Laura Sirbu," Exact Mathematical Analysis of DC-DC Converters Employing Type 3 Controllers", 2023 https://doi.org/10.21203/rs.3.rs-3220144/v1 researchsquare.com https://www.researchsquare.com/article/rs-3220144/v1	1	4	1,00
22	S. Lica, I. -M. Pop-Calimanu and D. Lascu, "A New High Performance Step-Down Quadratic Converter," 2021 IEEE 19th International Power Electronics and Motion Control Conference (PEMC), 2021, pp. 15-22, doi: 10.1109/PEMC48073.2021.9432613.			
	Mircea Gurbina, Dan Lascu, Septimiu Lica, Cristina Laura Sirbu," Exact Mathematical Analysis of DC-DC Converters Employing Type 3 Controllers", 2023 https://doi.org/10.21203/rs.3.rs-3220144/v1 researchsquare.com https://www.researchsquare.com/article/rs-3220144/v1	1	3	1,33
23	S. Lica, I.M. Pop-Calimanu , D. Lascu, S. Popescu, M. Tomoroga and A. Ciresan, "A New Hybrid Ćuk Converter," 13th International Symposium on Electronics and Telecommunications (ISETC), Timisoara, Nov. 2018, Pages: 133-136, WOS:000463031500030, ISBN:978-1-5386-5925-0.			
	S Patra, A Chatterjee, KC Patra, "Emerging Topologies of DC–DC Converters for Microgrid Applications", 2024, Book Microgrids for Commercial Systems, https://doi.org/10.1002/9781394167319.ch4 https://onlinelibrary.wiley.com/doi/epdf/10.1002/9781394167319.ch4	1	6	0,67
24	M. Gurbina, I.M. Pop-Calimanu , D. Lascu, S. Lica and A. Ciresan, "Exact Stability Analysis of a Two-Phase Boost Converter," 2018 41st International Conference on Telecommunications and Signal Processing (TSP), Athens, Greece, 2018, pp. 334-33, WOS:000454845100075, ISBN:978-1-5386-4695-3.			
	Mircea Gurbina, Dan Lascu, Septimiu Lica, Cristina Laura Sirbu," Exact Mathematical Analysis of DC-DC Converters Employing Type 3 Controllers", 2023 https://doi.org/10.21203/rs.3.rs-3220144/v1 researchsquare.com https://www.researchsquare.com/article/rs-3220144/v1	1	5	0,80
25	F. Renken,WS. Shen, C. Wang, I.M.Pop-Calimanu , A. Ciresan, "Multiphase Hybrid Buck-Boost Converter with Wide Conversion Ratio",19th European Conference on Power Electronics and Applications (EPE ECCE Europe) Location: Warsaw, POLAND Date: SEP 11-14, 2017, WOS:000418374406031, ISBN:978-9-0758-1527-6, ISSN: 2325-0313			
	W Shen," Converters for optimizing power distribution in fuel cell vehicles", 2022, Doctoral Thesis, dspace.upt.ro	1	5	0,80
	BS Barahona Valencia," Implementación de una celda de un convertidor multiphase buck" 2022, Bachelor Thesis, repositorio.utm.edu.ec	1	5	0,80
26	I.M. Pop-Calimanu , F. Prutianu, V. Popescu, "Boost Converter Used in Solar Energy Systems", The 11th International Conference on Engineering of Modern Electric Systems, EMES'11, Oradea, Romania, ISSN 1844 – 6035, Volum 4, Mai 2011,pp. 195-198, Index Copernicus International, Scopus			

	GM Terán, FC Mixcoatl, AG Barrientos, "Diseño e Implementación de un Convertidor CD-CD para Aplicaciones Fotovoltaicas", 2014, Fuentes de Energías, researchgate.net	1	3	1,33
27	W. Shen, I. -M. Pop-Calimanu and F. Renken, "Control Strategy for DC/DC Converter in Drive Train of Fuel Cell Vehicles," 2021 IEEE 19th International Power Electronics and Motion Control Conference (PEMC), 2021, pp. 243-249, doi: 10.1109/PEMC48073.2021.9432532.			
	Folker Renken; Wensong Shen, "Control Method for Multiphase DC-DC Converter in Drive Train of Fuel Cell Vehicles", 2022 International Symposium on Electronics and Telecommunications (ISETC), IEEE, Timisoara, Romania, DOI: 10.1109/ISETC56213.2022.10010177 https://ieeexplore.ieee.org/abstract/document/10010177	1	3	1,33
	W Shen, " Converters for optimizing power distribution in fuel cell vehicles", 2022, Doctoral Thesis, dspace.upt.ro	1	3	1,33
28	I. -M. Pop-Calimanu , C. Alexandru-Adrian and M. Pop-Calimanu, "A New Quadratic Step-Down Converter," 2020 International Symposium on Electronics and Telecommunications (ISETC), 2020, pp. 1-4, doi: 10.1109/ISETC50328.2020.9301118.			
	Mircea Gurbina, Dan Lascu, Septimiu Lica, Cristina Laura Sirbu, " Exact Mathematical Analysis of DC-DC Converters Employing Type 3 Controllers", 2023 https://doi.org/10.21203/rs.3.rs-3220144/v1 researchsquare.com https://www.researchsquare.com/article/rs-3220144/v1	1	3	1,33
29	D. -A. Botila, D. Lascu and I. -M. Pop-Calimanu , "A Buck Converter Suitable in Low Step-Down Applications," 2021 21st International Symposium on Power Electronics (Ee), 2021, pp. 1-6, doi: 10.1109/Ee53374.2021.9628264.			
	Mircea Gurbina, Dan Lascu, Septimiu Lica, Cristina Laura Sirbu, " Exact Mathematical Analysis of DC-DC Converters Employing Type 3 Controllers", 2023 https://doi.org/10.21203/rs.3.rs-3220144/v1 researchsquare.com https://www.researchsquare.com/article/rs-3220144/v1	1	3	1,33
30	I. -M. Pop-Calimanu , E. -A. Raducanu, D. Lascu, M. Pop-Calimanu and S. Popescu, "A Novel Quadratic Step-Up DC-DC Converter," 2021 23rd European Conference on Power Electronics and Applications (EPE'21 ECCE Europe), 2021, pp. P.1-P.10.			
	F.M. Boendermaker, D.C. Zuidervliet, P.J. van Duijsen, "A low cost implementation of a dual-stage interleaved bidirectional boost converter", 2022 <i>International Conference on Electrical, Computer and Energy Technologies (ICECET)</i> , pp.1-6, 2022.	1	5	0,80
31	I. -M. Pop-Calimanu , L. D. Jurca, D. Lascu and M. Pop-Calimanu, "A Novel Quadratic Step-Up DC-DC Converter," 2021 IEEE 19th International Power Electronics and Motion Control Conference (PEMC) , Gliwice, Poland, 2021, pp. 23-30, doi: 10.1109/PEMC48073.2021.9432620.			
	Mohammad Nilian, Reza Rezaii, Mohamed Tamasas Elrais, Issa Batarseh, "A GaN-Based DC–DC Multistage Hybrid Converter for Step-Up Applications", 2023 <i>IEEE Energy Conversion Congress and Exposition (ECCE)</i> , pp.2512-2517, 2023	1	4	1,00
	Total A3.1.2			72,53
	Total A3.1			269,87

	A3.2 Membru în colectivele de redacție sau comitetele științifice ale revistelor indexate ISI, chair, co-chair sau membru în comitetele de organizare ale manifestărilor științifice indexate ISI			
	2018 IEEE 18th International Power Electronics and Motion Control Conference-Chair			10,00
	2020 International Symposium on Electronics and Telecommunications (ISETC)-Technical Committee			10,00
	2020 IEEE 19th International Power Electronics and Motion Control Conference- Co-Chairwoman			10,00
	2022 MDPI Energies Journal - Reviewer Board Member 2022			10,00
	2024 MDPI Energies Journal - Reviewer Board Member 2024			10,00
	Total A3.2			50,00
	A3.3 Membru în colectivele de redacție sau comitetele științifice ale revistelor indexate BDI, chair, co-chair sau membru în comitetele de organizare ale manifestărilor științifice indexate BDI			
	2022 International Symposium on Electronics and Telecommunications (ISETC)-Technical Committee			6,00
	2024 International Symposium on Electronics and Telecommunications (ISETC)-Technical Committee			6,00
	2025 OPTIM ACEMP 2025 – Joint International Conference - Local Organising Committee			6,00
	Total A3.3			18,00
	A3.4.Premii in domeniu conferite de Academia Romana , ASTR, AOSR sau premii internaționale de prestigiu			
	...			
	Total A3.4			0,00
	Total A3			337,87

**STANDARDE MINIMALE SI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL
SUPERIOR**

**Conf.dr.ing Pop-Calimanu Ioana-Monica
GRILA PROFESOR UNIVERSITAR**

	FACTOR DE IMPACT CUMULAT	Factor de impact
	1. <i>Reviste</i> cu factor de impact	
	Advances in Electrical and Computer Engineering	0,700
	Hindawi Publishing Corporation International Journal of Photoenergy	2,663
	ENERGIES	2,676
	ENERGIES	2,676
	Applied Sciences-Basel	2,838
	Electronics	2,412
	Sensors	3,576
	Sensors	3,400
	Sensors	3,40
	Total 1	24,341
	2. Volume <i>manifestări ISI</i>	
	10th International Symposium on Electronics and Telecommunication, ISETC '12	0,25
	10th International Symposium on Electronics and Telecommunication, ISETC '12	0,25
	10th International Symposium on Electronics and Telecommunication, ISETC '12	0,25
	16th International Conference on Modern Technologies, Quality and Innovation	0,25
	22th International Conference on Metallurgy and Materials	0,25
	16th European Conference on Power Electronics and Applications	0,25
	12th International Symposium on Electronics and Telecommunication	0,25
	17th International Conference on Power Electronics and Motion Control	0,25
	Joint International Conference OPTIM-ACEMP Optimization of Electrical&Electronic Equipment Aegean Conference on Electrical Machines&Power Electronics	0,25
	19th International Symposium on Power Electronics (Ee)	0,25

40th International Conference on Telecommunications and Signal Processing (TSP)	0,25
19th European Conference on Power Electronics and Applications	0,25
20TH European Conference On Power Electronics And pplications	0,25
20th European Conference on Power Electronics and Applications (EPE ECCE Europe)	0,25
13th International Symposium on Electronics and Telecommunications (ISETC)	0,25
13th International Symposium on Electronics and Telecommunications (ISETC)	0,25
18th International Power Electronics and Motion Control Conference	0,25
18th International Power Electronics and Motion Control Conference	0,25
41st International Conference on Telecommunications and Signal Processing (TSP)	0,25
13th International Symposium on Electronics and Telecommunications (ISETC)	0,25
42st International Conference on Telecommunications and Signal Processing (TSP)	0,25
2019 International Conference on Electrical Drives & Power Electronics (EDPE)	0,25
20th International Symposium on Power Electronics (Ee)	0,25
14th International Symposium on Electronics and Telecommunications (ISETC)	0,25
14th International Symposium on Electronics and Telecommunications (ISETC)	0,25
14th International Symposium on Electronics and Telecommunications (ISETC)	0,25
21st International Symposium on Power Electronics (Ee)	0,25
19th International Power Electronics and Motion Control Conference (PEMC)	0,25
23rd European Conference on Power Electronics and Applications (EPE'21 ECCE Europe)	0,25
19th International Power Electronics and Motion Control Conference (PEMC)	0,25
19th International Power Electronics and Motion Control Conference (PEMC)	0,25
19th International Power Electronics and Motion Control Conference (PEMC)	0,25
Total 2	8,00
3. Brevete	
...	
Total 3	0,00
FACTOR DE IMPACT CUMULAT	32,34

**STANDARDE MINIMALE SI OBLIGATORII PENTRU CONFERIREA TITLURILOR DIDACTICE DIN ÎNVĂȚĂMÂNTUL
SUPERIOR**

Conf.. dr. ing. Pop-Calimanu Ioana-Monica
GRILA PROFESOR UNIVERSITAR

	Îndeplinire condiții minimale	Conditie minimala	Realizat	Grad de indeplinire
	A1 Activitate didactică/profesională	100	108,33	ÎNDEPLINIT
	A2 Activitate cercetare	600	689,13	ÎNDEPLINIT
	A3 Recunoașterea impactului activității	150	337,87	ÎNDEPLINIT
	TOTAL (A)	850	1135,33	ÎNDEPLINIT
	Îndeplinire condiții minimale obligatorii pe subcategorii			
	A1.1.1 - A1.1.2 Cărți de specialitate	1	4,00	ÎNDEPLINIT
	A2.1 Articole în reviste cotate ISI și în volumele unor manifestări științifice indexate ISI proceedings	15	41,00	ÎNDEPLINIT
	A2.1 Articole în reviste cotate ISI și în volumele unor manifestări științifice indexate ISI proceedings- din care minimum 3 in reviste cotate ISI Q1 sau ISI Q2	3	8,00	ÎNDEPLINIT
	A.2.4.1 Granturi/proiecte de cercetare câștigate prin competiție (Director/Responsabil partener)	2	2,00	ÎNDEPLINIT
	A3.1.1 Număr de citări în cărți, reviste cotate ISI și in volume ale unor manifestări științifice ISI (WOS)	25	72,00	ÎNDEPLINIT
	Factor de impact cumulat pentru publicații	10	32,34	ÎNDEPLINIT