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Fişa de verificare standarde minimale necesare şi obligatorii pentru conferirea
titlurilor didactice din învățământul superior şi a gradelor profesionale de cercetare-dezvoltare conform ORDIN nr. 4204 din 15 iulie 2013
COMISIA INGINERIE ELECTRICĂ

Nr. Cert.	Activitate	Tipul activitate	Categorii Restrictii	Subcategorii	Indicatori Kpi	Nr. Realizat	Nr. Minim necesar	**Punctaj realizat**	**Punctaj minim**
0	1	2	3	4	5	6	7	**8**	**9**
1	Activitate didactica si profesionala (A1)	1.1 Carti si capitole in carti de specialitate	Carti cu ISBN (didactice/ monografii/ capitole) ca autor	1.1.1.1 Internationale	nrPagini/(2*nrAutori)	**1**			
				1.1.1..2 Nationale	nrPagini/(5*nrAutori)	**4**	**4**		
			Carti/capitole ca editor/ coordonator	1.1.2.1 Intenationale	nr. pagini/(3*nr. autori)				
				1.1.2.1 Nationale	nr. pagini/(7*nr. autori)				
		1.2 Suport didactic	1.2.1 Suport de curs inclusiv electronic		nr. pagini/(10*nr. autori)	**3**	**2**		
			1.2.2 Indrumatoare de laborator	Autor (total)	nr. pagini/(20*nr. autori)	**5**	**2**		
				Prim autor		**1**	**1**		
		1.3 Coordonare programe de studii	Punctaj unic pt. fiecare activitate		10			**324.55**	**80**
2	Activitate de cercetare (A2)	2.1 Articole in extenso in reviste cotate si in volume proceedings indexate ISI			(25+20*factor impact)/nr.de autori	**46**	**11**		
		2.2 Articole in reviste si volume indexate in alte baze de date internationale			20/nr.de autori	**40**	**16**		
		2.3 Granturi/ proiecte castigate prin competitie	2.4.1 Director/Responsabil	2.4.1.1 internationale	20*ani de desfasurare				
				2.4.1.2 nationale	10*ani de desfasurare	**2**	**2**		
			2.4.2 membru in echipa	2.4.2.1 internationale	4*ani de desfasurare	1			
				2.4.2.2 nationale	2*ani de desfasurare	9			
		2.4 Contracte de cercetare/ consultanta (valoare de minim 2000 Euro)	2.5.1 Responsabil		5*ani de desfasurare				
			2.5.2 Membru in echipa		2*ani de desfasurare			**722.23**	**300**

3	Recunoasterea si impactul activitatii (A3)	3.1 Citari in reviste si volumele conferintelor ISI si BDI		3.1.1 ISI	5/nr autori ai art.citat	**114**			
				3.1.2 BDI	3/nr autori ai art.citat		**40**		
		3.2. Prezentari invitate in plenul unor manifestari stiintifice si profesor invitat (exclusiv POS, Erasmus)		3.2.1 internationale	20				
				3.2.2 nationale	5				
		3.3 Membru in colectivele de redactie sau comitete stiintifice al revistelor simanifestarilor stiintifice, Organizator manifestari stiintifice,Recenzor pentru reviste si manifestari stiintifice nationale si internationale (punctajul se acorda pentru fiecare, revista, manifestare stiintifica si recenzie)	Punctaj unic pentru fiecare activitate	3.2.1 ISI	10	10			
				3.3.2 BDI	6	50			
				3.3.3 nationale si internationale neindexate	3				
		3.4 Experienta management		3.4.1 Conducere	5* nr.ani				
				3.4.2 Membru organisme conducere	2*nr. ani				
		3.5 Referent comisii doctorat		3.5.1 internationale	10				
				3.5.2 nationale	5	16			
		3.6 Premii		Academia Romana	30				
				ASAS, AOSR, academii de ramura si CNCS	15				
				premii internationale	10				
				premii nationale in domeniu	5				
		3.7 Membru in academii, organizatii, asociatii profesionale de prestigiu, nationale si internationale, apartenenta la organizatii din domeniul educatiei si cercetarii	3.7.1 Academia romana		100				
			3.7.2 ASAS,AOSR, si academii de ramura		30				
			3.7.2 Conducere asociatii profesionale	internationale	30				
				nationale	10				
			3.7.4 Asociatii profesionale	internationale	5	1			
				nationale	2				
			Consilii si organizatii in domeniul educatiei si cercetarii	Conducere	15				
				Membru	10			**635.96**	**60**

Total Punctaj 1682.75 (realizat) > 440 (impus)

Punctaj realizat pe activitati (A1, A2, A3)

Conditii minimale (A1, A2, A3)			
Nr.Crt.	Domeniul de activitate	Conditii Profesor / Abilitare	Realizat
1	Activitatea didactică / profesională (A1)	Minim 80 puncte	**324.55**
2	Activitatea de cercetare (A2)	Minim 300	**722.23**
3	Recunoaşterea impactului activităţii (A3)	Minim 60	**635.96**
	TOTAL	Minim 440 puncte	**1682.75**

Cărți cu ISBN 5 (realizat) > 4 (inpus)
Cărți prim autor 3 (realizat) >1 (inpus)
Director/responsabil grant 2 (realizat)=2 (inpus)

Inpactul activitatii de cercetare		
Factor de impact cumulat (din jurnale ISI):	**5.02**	
ISI h-index	**5**	**118** citari (fara autocitari)
SCOPUS h-index	**8**	**234** citari
Google Scholar h-index	**11**	**534** citari

Numar citări realizat > 40 (inpus)

Activitatea didactică şi profesională (A1)

Nr. Crt	Autori	Titlu	Editura	ISBN/link	An aparitie	Nr Pag	Punctaj
Cărți si capitole de carte in edituri recunoscute			**Internațională**				
A 1.1.1.1		**Cărți/monografii/capitole ca autor**	**Internaționala**				
1	I. Boldea, **L. Tutelea**	Electric Machines - steady State, Transients and design with Matlab	CRC Press Taylor & Francis Group, London, UK	978-1-4200-5572-6	2010	775	193.8
Total A1.1.1.1							**193.8**
A 1.1.1.2		**Carti/monografii/capitole ca autor**	**National**				
1	**L.N. Tutelea**, S.I.Deaconu	Dual rotor single stator permanent magnet motors (for hybrid electrical vehicles)	Editura Politehnica Timisoara	978-606-554-861-9	2014	104	10.4
2	**L.N. Tutelea**, M.C. Ancuti, M. Svoboda	Tehnici de programare in C - Aplicatii	Editura Politehnica Timisoara		2014	152	10.13
3	**Lucian Tutelea**	Metode de modulare in latime de puls pentru invertroare de tensiune	Editura Politehnica Timisoara	ISBN 973-625-126-8	2004	262	52.4
4	S. I. Deaconu**, L. N Tutelea**, A. Iagăr	Maşini Electrice. Aplicații,	DESTIN	ISBN 973-9105-34-3	2000	169	11.27
Total A1.1.1.2							**84.2**
A1.2.1		**Suport de curs -electronic**					
1	**L.N. Tutelea**	Sisteme cu micriprocesoare	https://uptro29158-my.sharepoint.com/personal/lucian_tutelea_upt_ro/Documents/Shared%20with%20Everyone		2010	223	22.3
2	**L.N. Tutelea**, I. Boldea	Generatorul Sincron	https://uptro29158-my.sharepoint.com/personal/lucian_tutelea_upt_ro/Documents/Shared%20with%20Everyone		2012	203	10.15
3	I. Boldea, **L.N. Tutelea**	Masina de inductie	https://uptro29158-my.sharepoint.com/personal/lucian_tutelea_upt_ro/Documents/Shared%20with%20Everyone		2014	175	8.75
Total A1.2.1							**41.2**
A1.2.2		**Indrumatoare de laborator/Aplicatii**					
1	E.A. Ritchie, **L. Tutelea**, P.O. Rasmussen, M.M. Zamastil, F. Lungeanu	Survey of Wheel Drive Candidates for Battery Electric City Car: final summary report, includes wheel motors and power electronics controller	Aalborg Universitetsforlag	I14 02 S 0108	2002		
2	E.A. Ritchie, **L.N. Tutelea**, P.O. Rasmussen, M.M. Zamastil	Survey of Wheel Motor Candidates for Battery Electric City Car: Summary Report of Phase 1-Motor Design	Aalborg Universitetsforlag	I14 00 S 0103	2000	16	0.2
3	**L.N. Tutelea**, E.A. Ritchie	Consys A/S Electric Vehicle Project: Preliminary Study of Wheel Motor Units Using Permanent Magnet Machine	Aalborg Universitetsforlag	I14 00 S 0100	2000	34	0.85
4	**L.N. Tutelea**, E.A. Ritchie	State-of-The-Art Study on In-Wheel Drive Systems	Aalborg Universitetsforlag	I14 00 S 0098	2000	41	1.025
5	P.O. Rasmussen, **L.N. Tutelea**, E.A. Ritchie	Consys A/S Electric Vehicle Project: Preliminary Study of Wheel Motor Units Using Switched Reluctance Machine	Aalborg Universitetsforlag	I14 00 S 0101	2000		0
6	**L.N. Tutelea**, E.A. Ritchie	Consys A/S Electric Vehicle Project: Preliminary Study of Wheel Motor Units Using Induction Machine	Aalborg Universitetsforlag	I14 00 S 0099	2000	97	2.425
7	**L.N. Tutelea**, E.A. Ritchie	Electric Drive Systems for Uninterruptible Power Supply, using Flywheel Energy Store: Feasibility Study and Preliminary Design Exercise	Aalborg Universitetsforlag	I14 98 S 0095	1999		0
8	S. I. Deaconu, **L. N. Tutelea**, A. Iagăr	Acționări cu Maşini de Curent Alternativ. Probleme,	Litografia UPT,		1999	54	0.9

9	S. I. Deaconu**, L. N. Tutelea**, A. Iagăr	Elemente Generale ale Acționărilor Electrice. Acționări cu Mașini de Curent Continuu. Probleme,	Litografia UPT,		1999	67	1.117
10	S. I. Deaconu, **L. N. Tutelea**	Mașini electrice.Regimuri simetrice și nesimetrice de funcționare.Îndrumar de laborator	Litografia UPT,		1999	132	3.3
11	S. I. Deaconu, **L. N. Tutelea**, A. Iagăr	Mașini Electrice. Probleme. Vol. II	Litografia UPT,		1999	82	1.367
12	S. I. Deaconu, **L. N. Tutelea**, A. Iagăr	Mașini Electrice. Probleme. Vol. I	Litografia UPT,		1998	99	1.65
Total A1.2.2							5.4
Total A1							**324.55**

TOTAL A1: 324.55 (realizat) > 80 (impus)

Activitatea de cercetare (A2)

2.1 Articole in extenso în reviste cotate şi indexate ISI Thomson-Reuters*

Nr. Crt	Autori	Titlul lucrării	Revista	Anul	(Nr.)/ISSN/ISBN	Pag.	Factor de impact	Punc-taj
1	I. Boldea**, L. N.Tutelea**, L. Parsa, D. Dorrell	Automotive Electric Propulsion Systems With Reduced or No Permanent Magnets: An Overview	IEEE Transactions on Industrial Electronis, Vol. 61, No. 10	2014	0278-0046; 1557-9948	5696 - 5711	5.165	32.08
2	M. C. Ancuti, **L. Tutelea**, G.D. Andreescu, F. Blaabjerg, C. Lascu, I.Boldea	Practical Wide-speed-range Sensorless Control System for Permanent Magnet Reluctance Synchronous Motor Drives via Active Flux Model	Electric Power Components and systems, Vol. 42, No.1	2014	1532-5008; 1532-5016	91-102	0.62	6.233
3	F.J.H. Kalluf, **L.N. Tutelea**, I. Boldea, A. Espindola	2/4-POLE Split-Phase Capacitor Motor for Small Compressors: A Comprehensive Motor Characterization	IEEE Transactions on Industry Applications, Vol. 50, No.1	2014	0093-9994; 1939-9367	356-363	1.672	14.61
4	S.C. Agarlita**, L.N. Tutelea**, I.Boldea	Modelling and control of a springless resonant linear permanent magnet oscillomotor	IET Electric Power Applications, Vol 7, No 2	2013	1751-8660	150-158	1.562	18.75
5	**L.N. Tutelea**, M.C. Kim, M. Topor, J. Lee, I. Boldea	Linear permanent magnet oscillatory machine: Comprehensive modeling for transients with validation by experiments	IEEE Transactions on Industrial Electronis, Vol. 55, No. 2	2008	0278-0046	492-500	5.165	25.66
6	I. Boldea, C.I. Pitic, C. Lascu, G.D. Andreescu**, L. Tutelea**, F. Blaabjerg, P. Sandholdt	DTFC-SVM motion-sensorless control of a PM-assisted reluctance synchronous machine as starter-alternator for hybrid electric vehicles	IEEE Transactions on Powers Electronics, Vol 21, No. 3	2006	0885-8993	711-719	4.08	15.23
7	**L. Tutelea**, M.C. Kim, Y.D. Chun, T.H. Kim, S.B. Lim, J.S. Ahn, J. Lee, I. Boldea	A set of experiments to more fully characterize linear PM oscillatory machines	IEEE Transactions on Magnetics, Vol. 41, No 10	2005	0018-9464	4009 - 4011	1.422	6.68
8	S. Scridon, I. Boldea, **L. Tutelea**, F. Blaabjerg, A.E. Ritchie	BEGA-A biaxial excitation generator for automobiles: Comprehensive characterization and test results	IEEE Transactions on Industry Applications, Vol. 41, No 4	2005	0093-9994	935-944	1.672	11.69
9	I.Boldea, **L. Tutelea**, C.I. Pitic	PM-assisted reluctance synchronous motor/generator (PM-RSM) for mild hybrid vehicles: Electromagnetic design	IEEE Transactions on Industry Applications, Vol. 40, No 2	2004	0093-9994	492-498	1.672	19.48
Total Punctaj Reviste Cotate ISI								**150.4**

Brevete de invenție

Nr. Crt	Autori	Titlul	Patent Number	Anul	Derwent Primary Accession Number	Punc-taj
1	I. Boldea, S. Deaconu, F. Marignetti, **L. Tutelea**	Brushless electrical actuator with two independent rotors for hybrid electrical propulsion	Patent Number: IT1409332-B	2014	2014-Q06615 [65]	6.25
2	I. Boldea **L. Tutelea**, B. Sander, A. Binder	Linear motor for e.g. drilling hammer, has rotor comprising two magnets and movably supported between two cores and two air gaps in filled manner, where two air gaps comprise plane that comprises rotor movement axis	Patent Number: DE102011077241-A1	2012	2012-R13188 [01]	6.25
3	S. C. Agarlita, I.G. Boldea, **L.N. Tutelea**	Electromagnetic device for actuation of valves of heat engine comprises pre-polarized electromagnet, fixed magnetic cores, internal core and external core	Patent Number: RO125407-A2	2010	2010-K26930 [54]	8.3333
Total Punctaj **Brevete de invenție**						**20.833**

Articole în volumele unor manifestări ştiinţifice indexate ISI Proceedings

Nr. Crt	Autori	Titlul lucrării	Manifestări ştiinţifice	An.	(Nr.)/ISSN/ISBN	Pag.	Punc-taj
1	**L N Tutelea**, S I Deaconu, I Boldea, G N Popa	Dual rotor single- stator axial air gap PMSM motor/generator drive for high torque vehicles	International Conference on Applied Sinces (ICAS2013) Book Series: IOP Conference Series-Materials Science and Engineering Vol: 57 Article No. 012009	2014	1757-8981	1-7	5
2	**L.N. Tutelea**, S.I. Deaconu, I. Boldea, N. Budisan	Design, Control and 2D-FEM Validation for an Double Stator Winding Induction Generator	39th Annual Conference of the IEEE Industrial-Electronics-Society (IECON)	2013	1553-572X / 978-1-4799-0224-8	2732-2737	6.25
3	A.S. Isfanuti, M. Baba, **L. Tutelea**, A. Moldovan, I. Boldea	Surface NdFeB versus Ferrite IPM motor drive for low power (100W to 2000W) applications: FEM embedded optimal design with full step torque response validation in sensorless vector control	39th Annual Conference of the IEEE Industrial-Electronics-Society (IECON)	2013	1553-572X / 978-1-4799-0224-8	3177-3182	5
4	F. Kalluf, A. Espindola, **L. Tutelea**, I. Boldea	2/4 POLES split phase capacitor motor for small compressors: a comprehensive characterization	IEEE Emergy Conversion Congress and Exposition (ECCE)	2012	978-1-4673-0801-4	158-165	6.25
5	I. Boldea, **L.N. Tutelea**, D. Ursu	BLDC Multiphase Reluctance Machines for Wide Range Applications: a revival attempt	15th International Power Electronics and Motion Control Conference (EPE/PEMC)	2012	978-1-4673-1972-0	LS1b.1-1 - LS1b.1-6	8.3333
6	**L.N. Tutelea**, I. Boldea, S.I. Deaconu	The Single Stator Dual Rotor PMSM for HEV: Two Windings and 4 Leg Inverter Control	15th International Power Electronics and Motion Control Conference (EPE/PEMC)	2012	978-1-4673-1972-0	DS3a.1-1- DS3a.1-6	8.3333
7	I. Boldea, **L.N. Tutelea**, S.C. Agarlita, C. Pompermaier, I.H. Setter	25 W linear PM oscillo-motor (PM-LOM): general and optimal design, with FEM validation and controlled dynamics	XXth Intenational Conference on Electrical Machines (ICEM)	2012	978-1-4673-0142-8	2726-2732	5
8	**L.N. Tutelea**, S.I. Deaconu, I. Boldea, F. Marignetti, G.N. Popa	Design and Control of a Single Stator Dual PM Rotors Axial Synchronous Machine for Hybrid Electric Vehicles	Proc. of the the 2011-14th Europen Conference on Power Electronics and Applications (EPE 2011)	2011	978-90-75815-15-3	1-10	5
9	S.I. Deaconu, **L.N. Tutelea**, G.N. Popa, T. Latinovici	Mathematical models and the control of homopolar and homo-heteropolar reactive synchronous machines with stator excitation	Advances in Communications, Computers, Systems, Circuits and Devices	2010	1792-6637 / 978-960-474-250-9	78-83	6.25
10	**L. Tutelea**, I. Boldea	Surface Permanent Magnet Synchronous Motor Optimization Design: Hooke Jeeves Method Versus Genetic Algorithms	IEEE International Symposium on Industrial Electronics (ISIE 2010)	2010	978-1-4244-6391-6	1504-1509	12.5
11	S.C. Agarlita, M. Fatu, **L.N. Tutelea,** F. Blaabjerg, I. Boldea	I-f Starting and Active Flux Based Sensorless Vector Control of Reluctance Synchronous Motors, with Experiments	Proc. of 12th OPTIM 2010, PTS I-IV, Brasov, Romania	2010	1842-0133	337-342	5
12	I.Boldea, M.Topor, F. Marignetti, S.I. Deaconu, **L.N. Tutelea**	A Novel, Single Stator Dual PM Rotor, Synchronous Machine: topology, circuit model, controlled dynamics simulation and 3D FEM Analysis of Torque Production	Proc. of 12th OPTIM 2010, PTS I-IV, Brasov, Romania	2010	1842-0133	343-351	5
13	V. Gradinaru, **L. Tutelea**, I. Boldea	BLDC-SPM Motor Drive with DC-DC Converter in the DC Link: Hall Sensor versus Sensorless Speed Control	Proc. of 12th OPTIM 2010, PTS I-IV, Brasov, Romania	2010	1842-0133	422-429	8.3333
14	I. Boldea, A. Moldovan, V. Coroban Schramel, G.D. Andreescu**, L. Tutelea**	A Class of Fast Dynamics V/f Sensorless AC General Drives with PM-RSM as a Case Study	Proc. of 12th OPTIM 2010, PTS I-IV, Brasov, Romania	2010	1842-0133	453-459	5
15	M.C.Paicu, **L. Tutelea**, I. Boldea, G.D. Andreescu, R. Ancuti	PM-RSM Sensorless Vector Control: Zero q-Axis Flux versus Approximate Maximum Torque per Current, with Experiments	Proc. of 12th OPTIM 2010, PTS I-IV, Brasov, Romania	2010	1842-0133	460-468	5
16	**L. Tutelea**, I. Boldea	Induction Motor Electromagnetic Design Optimization: Hooke Jeeves Method Versus Genetic Algorithms	Proc. of 12th OPTIM 2010, PTS I-IV, Brasov, Romania	2010	1842-0133	485-492	12.5
17	S.C. Agarlita, I. Boldea, F.	Position Sensor less Control of a Linear Interior Permanent	Proc. of 12th OPTIM 2010, PTS I-IV, Brasov,	2010	1842-0133	689-695	6.25

	Marignetti, **L.N. Tutelea**	Magnet Oscillatory Machine, with Experiments	Romania				
18	S.C. Agarlita, I. Boldea, F. Marignetti, **L. Tutelea**	Linear Permanent-Magnet Valve Actuator - The Dynamic Model: Digital Simulations, Open-Loop U/f and I/f Operation and Position Estimation Performance, with Experiments	8th International Symposium on Advanced Electromechanical motion systems (ELECTROMOTION 2009)	2009	978-1-4244-5150-0	320-324	6.25
19	M.C. Paicu, **L. Tutelea**, G.D. Andreescu, F. Blaabjerg, C. Lascu, I. Boldea	Wide Speed Range Sensorless Control of PM-RSM Via "Active Flux Model"	IEEE Emergy Conversion Congress and Exposition (ECCE 2009)	2009	978-1-4244-2892-2	3695-3702	4.1667
20	S.I. Deaconu, M. Topor, **L. Tutelea,** G.N. Popa, C. Abrudean,	Mathematical Model of a Reactive Homopolar Synchronous Machine with Stator Excitation	13th European Conference on Power Electronics and Applications	2009	978-1-4244-4432-8	2269-2277	5
21	S.I. Deaconu, M. Topor, **L. Tutelea,** G.N. Popa, C. Abrudean	Modeling and Experimental Investigations of a Reactive Homo-Heteropolar Brushless Synchronous Machine	35th Annual Conference of the IEEE Industrial Electronics, (IECON)	2009	978-1-4244-4648-3	1126-1133	5
22	S.I. Deaconu, **L. Tutelea**, G.N. Popa, I. Popa, C. Abrudean	Optimizing the Designing of a Reactive Homopolar Synchronous Machine with Stator Excitation	34th Annual Conference of the IEEE Industrial Electronics, (IECON)	2008	1553-572X / 978-1-4799-0224-8	1258-1265	5
23	A. Stirban, **L. Tutelea**, D. Iles-Klumpner, I. Boldea	FEM analysis of concentrated coils nonuniform slot (6+6/8) IPMSM fed with trapezoidal current	Proc. of 11th OPTIM 2008, Vol. I, Brasov, Romania	2008	978-1-4244-1544-1	45-52	6.25
24	L.I. Iepture, **L. Tutelea**, I. Boldea	FEM analysis and control of a tapered airgap single phase PMSM	Proc. of 11th OPTIM 2008, Vol. I, Brasov, Romania	2008	978-1-4244-1544-1	241-248	8.3333
25	I. Boldea, S.C. Agarlita, F. Marignetti, **L. Tutelea**	Electromagnetic, thermal and mechanical design of a linear PM valve actuator laboratory model	Proc. of 11th OPTIM 2008, Vol. II, Brasov, Romania	2008	978-1-4244-1544-1	259-264	6.25
26	V. Grădinaru, **L. Tutelea**, I. Boldea	25 kW, 15 krpm, 6/4 PMSM: Optimal Design	Proc. of 11th OPTIM 2008, Vol. I, Brasov, Romania	2008	978-1-4244-1544-1	249- 256	8.3333
27	M. Fatu, **L. Tutelea**, I. Boldea, R .Teodorescu	and Torque Pulsation Reduction via FEM	European Conference on Power Electronics and Applications	2007	978-90-75815-11-5	4421-4430	6.25
28	M Fatu, **L. Tutelea**, R. Teodorescu, F. Blaabjerg, I. Boldea	Motion sensorless bidirectional PWM converter control with seamless switching from power grid to stand alone and back	IEEE Power Electronics Specialists Conference, VOLS 1-6	2007	0275-9306 / 978-1-4244-0654-8	1239-1244	5
29	N. Muntean, **L. Tutelea**, I. Boldea	A modified carrier-based PWM modulation technique in Z-source inverters	Proc. of International AEGEAN Conference on Electrical Machines and Power Electronics & ELECTROMOTION	2007	978-1-4244-0890-0	174-180	8.3333
30	**L. Tutelea**, I. Boldea	Optimal design of residential brushless d.c. permanent magnet motors with FEM validation	Proc. of International AEGEAN Conference on Electrical Machines and Power Electronics & ELECTROMOTION	2007	978-1-4244-0890-0	435-439	12.5
31	I. Serban, GD Andreescu**, L. Tutelea**, F. Blaabjerg, C. Lascu, I. Boldea	New state observers and sensorless control of wound rotor induction generator (WRIG) at power grid with experimental characterization	32nd Annual Conference on IEEE Industrial Electronics (IECON 2006), Paris	2006	1553-572X / 978-1-4244-0135-2		4.1667
32	G. Iliescu, **L. Tutelea**, I. Boldea	Performance of a single-phase self-starting PM brushless motor fed by a chopper-controlled current-source thyristor inverter	Proc. of 10th OPTIM 2006, Vol. II, Brasov, Romania	2006	978-973-635-704-6	85-90	8.3333
33	M. Fatu, I. Boldea, C. Lascu, **L. Tutelea**, G.D. Andreescu	Motion sensorless variable speed PMSG control at power grid	Proc. of 10th OPTIM 2006, Vol. III, Brasov, Romania	2006	978-973-635-705-3	9--16	5
34	S. Scridon, I. Boldea, **L. Tutelea**, F. Blaabjerg, E. Ritchie	BEGA - A biaxial excitation generator for automobiles: Comprehensive characterization and test results	Record of the 2004 IEEE Industry Applications Conference (IAS), VOLS 1-4	2004	0197-2618 / 0-7803-8486-5	1682-1690	5
35	I. Boldea, T. Marcel, J. Lee, **L. Tutelea**	Linear flux reversal PM oscillo-machine with effective flux concentration	Proc. of 9th OPTIM 2004, Vol. II, Brasov, Romania	2004	978-973-635-287-4	59-64	6.25
36	C.I. Pitic, **L. Tutelea**, I. Boldea, F. Blaabjerg	The PM - assisted reluctance synchronous Starter/Generator (PM - RSM): Generator experimental characterization	Proc. of 9th OPTIM 2004, Vol. II, Brasov, Romania	2004	978-973-635-287-4	275-282	6.25
37	**L Tutelea**, E. Ritchie, I. Boldea	Permanent magnet in-wheel synchronous motor for electric	Proc. of 5th ICEMS'2001: Vols I-II	2001	7-5062-5115-9	831-834	8.3333

		vehicle					
38	S. Munk-Nielsen, L.N. Tutelea, U. Jaeger	Simulation with ideal switch models combined with measured loss data provides a good estimate of power loss.	Record of IAS 2000, VOLS 1-5	2000	0197-2618 / 0-7803-6401-5	2915-2922	8.3333
Total Punctaj volumele unor manifestări ştiinţifice indexate ISI							**248.33**

Total A.2.1.= 150.4+20.833+248.33=419.56

A.2.2. Articole în reviste şi în volumele unor manifestări ştiinţifice indexate în alte baze de date internaţionale (BDI)

Nr. Crt	Autori	Titlul lucrării	Manifestări ştiinţifice	An.	(Nr.)/ISSN/ISBN	Pag.	Indexare	Punc-taj
1	L. Tutelea, A. Popa Moldovan; I. Boldea	50/100 kW, 1350–7000 rpm (600 Nm peak torque, 40 kg) PM assisted Reluctance synchronous machine: Optimal design with FEM validation and vector control	Optimization of Electrical and Electronic Equipment (OPTIM), 2014 International Conference on	2014	10.1109/OPTIM.2014.6850884	276-283	IEEE_Xplore	6.6667
2	L.N. Tutelea, I. Boldea, S. I. Deaconu	Parameter optimal identification of dual three phase stator winding induction machine	Optimization of Electrical and Electronic Equipment (OPTIM), 2014 International Conference on	2014	10.1109/OPTIM.2014.6851016	231-238	IEEE_Xplore	6.6667
3	A.S. Isfanuti, L.N. Tutelea, F.J.H. Kalluf, I. Boldea	A novel design of stator Ferrite PM single phase doubly salient small motor: FEM characterization and controlled dynamics	Optimization of Electrical and Electronic Equipment (OPTIM), 2014 International Conference on	2014	10.1109/OPTIM.2014.6850893	284-290	IEEE_Xplore	5
4	M. Topor, S.I. Deaconu, L.N. Tutelea	Homo-heteropolar synchronous machine for low power variable speed wind or hydro applications: Design, 3D FEM validation and control	16th EPE'14-ECCE Europe	2014	10.1109/EPE.2014.6910885	1-10	IEEE_Xplore	6.6667
5	S.I. Deaconu, L.N. Tutelea, G. N., Popa, M. Nasaudean, C. Motorga	Calculul cu Elemente Finite a Parametrilor si Caracteristicilor Generatorului Electric Asincron cu Doua Infasurari Statorice	A XIV-a Conferinţă naţională multidisciplinară – cu participare internaţională – "Profesorul Dorin Pavel – fondatorul hidroenergeticii româneşti" Sebeş	2014	ISSN 2067-7138	337-246	Google Scholar	4
6	S. Agarlita, D. Ursu, L. Tutelea, I. Boldea, B. Fahimi	BLDC multiphase reluctance machines: A revival attempt with 2D FEM investigation and standstill tests	Energy Conversion Congress and Exposition (ECCE), 2013 IEEE	2013	10.1109/ECCE.2013.6646933	1850 - 1857	IEEE_Xplore	4
7	L.N. Tutelea, S.I. Deaconu,N. Budisan, I. Boldea,	Double stator winding induction generator for wind and hydro applications: 2D-FEM analysis and optimal design	Power Electronics and Applications (EPE), 2013 15th European Conference on	2013	10.1109/EPE.2013.6634443	1-10	IEEE_Xplore	5
8	D. Ursu, L. Tutelea, I. Boldea	Proposal with 2D FEM analysis of a six phase, 12 poles, 3kW, 200 rpm BLDC multiphase reluctance machine wind generator	Power Electronics and Applications (EPE), 2013 15th European Conference on	2013	10.1109/EPE.2013.6631885	1-9	IEEE_Xplore	6.6667
9	A. Isfanuti, L. Tutelea, S. Agarlita, I. Boldea	NdFeB Versus Ferite IPM Motor For Automotive A.C. Comprssor Electric Driving: Modeling and FEM-Embeded Optimal Design	Journal of electrical engineering vol. 13 no. 3 / 2013	2013	1582-4594	263-270	SCOPUS	5
10	S. I. Deaconu, L.N. Tutelea, G.Popa, M. Nasaudean, C. Motorga	Generatorul Electric Asincron cu Doua Infasurari Statorice pentru Sisteme Eoliene de Putere si Turatie Redusa	A XIII-a Conferinţă naţională multidisciplinară – cu participare internaţională – "Profesorul Dorin Pavel – fondatorul hidroenergeticii româneşti" Sebeş, 7 – 8 iunie 2013	2013	ISSN 2067-7138	313-322	Google Scholar	4
11	L.N. Tutelea, I. Boldea, S.I. Deaconu	Optimal design of dual rotor single stator PMSM drive for automobiles	Electric Vehicle Conference (IEVC), 2012 IEEE International	2012	10.1109/IEVC.2012.6183224	1-8	IEEE_Xplore	6.6667
12	I. Boldea, L.N.Tutelea,	Dual rotor single-stator axial air gap PMSM motor/generator	Electrical Systems for Aircraft, Railway and	2012	10.1109/ESARS.2012.6	1-8	IEEE_Xp	5

	S.I. Deaconu, F. Marignetti	drive for HEVs: A review of comprehensive modeling and performance characterization	Ship Propulsion (ESARS), 2012		387498		lore	
13	L.N. Tutelea, S.I. Deaconu, I. Boldea	Design and FEM validation for an axial Single Stator Dual Rotor PMSM	IECON 2012-38th Annual Conference on IEEE Industrial Electronics Society	2012	10.1109/IECON.2012.6389430	2929 - 2935	IEEE_Xplore	6.6667
14	I. Boldea, L. Tutelea, M. Topor	Theoretical characterization of three phase flux reversal machine with rotor-PM flux concentration	Optimization of Electrical and Electronic Equipment (OPTIM), 2012 13th International Conference on	2012	10.1109/OPTIM.2012.6231876	472 - 476	IEEE_Xplore	6.6667
15	Tutelea, L., Ursu, D., Boldea, I., Agarlita, S.	IPM claw-pole alternator system for more vehicle braking energy recuperation	Journal of electrical engineering vol. 12 no. 3/ 2012	2012	15824594	211-220	SCOPUS	5
16	A. Munteanu, I. Boldea, L. Tutelea	Novel hybrid design methodology for a surface permanent magnet synchronous motor	Power Electronics, Electrical Drives, Automation and Motion (SPEEDAM), 2012 International Symposium on	2012	10.1109/SPEEDAM.2012.6264452	603 - 608	IEEE_Xplore	6.6667
17	L.N. Tutelea, S.I. Deaconu, G. Oprisa	Sistem de control al masinii asincrone cu rotor bobinat in aplicatii eoliene	A XI-a Conferință națională multidisciplinară – cu participare internațională – "Profesorul Dorin Pavel – fondatorul hidroenergeticii românești" Sebeș, 2011	2011	2067-7128	423-428	Google Scholar	6.6667
18	N. Muntean, L. Tutelea, D. Petrila, O. Pelan	Hardware in the loop wind turbine emulator	Electrical Machines and Power Electronics and 2011 Electromotion Joint Conference (ACEMP), 2011 International Aegean Conference on	2011	10.1109/ACEMP.2011.6490568	53 - 58	IEEE_Xplore	5
19	V. Gradinaru, L. Tutelea, I. Boldea	Hybrid analytical/FEM optimization design of SPMSM for refrigerator compressor loads	Electrical Machines and Power Electronics and 2011 Electromotion Joint Conference (ACEMP), 2011 International Aegean Conference on	2011	10.1109/ACEMP.2011.6490677	657 - 662	IEEE_Xplore	6.6667
20	L. Strete, L. Tutelea, I. Boldea, C. Martis, I. Viorel	Optimal design of a rotating transverse flux motor (TFM) with permanent magnets in rotor	Electrical Machines (ICEM), 2010 XIX International Conference on, Roma	2010	978-1-4244-4174-7	1-6	IEEE_Xplore	4
21	S.I. Deaconu, L.N. Tutelea, G.N. Popa, T. Latinović	Artificial loading for rotating electric machines	International symposium on advanced engineering & applied management 40th Anniversary in higer education (1970-2010)	2010	978-973-0-09340-7	219-224	Google Scholar	5
22	M.C. Paicu, L. Tutelea, G.-D. Andreescu, I. Boldea	Active flux sensorless vector control of IPMSM for wide speed range,	Journal of electrical engineering vol. 8 no. 4/ 2008	2008	1582-4594	1-9	SCOPUS, INSPEC	5
23	I. Boldea, S. Agarlita, L. Tutelra, F. Marignetti	Novel linear PM valve actuator: FE design and dynamic model	Record of LDIA 2007, Lile,France	2007	978-2-915913-21-7	180 .pdf	Inspec	5
24	I.Boldea, L. Tutelea, C.Pitic	The PM Assisted Reluctance Synchronous Starter/Generator	Journal of electrical engineering, vol 5. nr 1.	2005	1582-4594		INSPEC	6.6667
25	L. Tutelea, M.C. Kim, T.H. Kim, J. Lee, I. Boldea	A set of experiments and test rig to fully characterize linear PM oscillatory machines	Magnetics Conference, 2005. INTERMAG Asia 2005. Digests of the IEEE International	2005	10.1109/INTMAG.2005.1464141	1423 - 1424	IEEE_Xplore	4
26	C.I. Pitic, L. Tutelea, I. Boldea, F. Blaabjerg	The PM-assisted reluctance synchronous starter/generator (PM-RSM): Generator experimental characterization	The 9 th International Conference on Optimization of Electrical and Electronic Equipments	2004	973-635-288-9	275-282	Google Scholar	5
27	E. Ritchie, L. Tutelea	An overview of electric vehicle in-wheel drive systems	39th International Symposium on Electrical Machines SME'2003, 9 – 11 June 2003, Gdańsk – Jurata, Poland, pp.1-21	2003		1-21	Google Scholar	10

28	I. Boldea, E.A. Ritchie, F. Blaabjerg, S. Scridon, L. Tutelea	Characterization of biaxial excitation generator for automobiles	International Conference on Optimization of Electrical and Electronic Equipments, 2002, vol II. OPTIM May 20-21, 2002	2002	973-635-004-5	371-376	Google Scholar	4
29	I. Boldea, I. Serban L. Tutelea	Variable speed electric generators and their control: an emerging technology	Journal of Electrical Engineering vol 2, no 1	2002	1582-4594	40-47	INSPEC	6.6667
30	L.Tutelea, E.A. Ritchie, I. Boldea	Comparative Performance of Induction and Synchronous Permanent Magnet Machine for Electric Vehicle Drives	Proc. of 8th International Conference on OPTIM 2002, vol II, Brasov May 20-21 2002 vol. 2,	2002	973-635-004-5	401-406	Google Scholar	6.6667
31	I. Boldea, L. Tutelea, C.I. Pitic	PM – assisted Reluctance Synchronous Motor / Generator	Proc. of 8th International Conference on OPTIM 2002, vol II, Brasov May 20-21 2002 vol. 2,	2002	973-635-004-5	383-388	INSPEC	6.6667
32	I. Boldea, S. Scridon, L.Tutelea	(PM - RSM) for Mild Hybrid Vehicles	Journal of electrical engineering vol. 1 no. 1/ 2001, paper 8,	2001	1582-4594	50-57	INSPEC	6.6667
33	L.N. Tutelea, E.A. Ritchie, I. Boldea	Induction machine design with and without mechanical transmission for electrical vehicle drives	4th ELECTROMOTION'01, Bologna	2001		275-280	Google Scholar	6.6667
34	L.N. Tutelea, E.A. Ritchie	Modeling and Simulation of Four Wheel Drive System for Electric Vehicle using Induction Machine	European Conference on Power Electronics and Applications, August 2001, Graz, Austria	2001	CD-ROM 9789075815061	1-10	Google Scholar	10
35	I. Boldea, L. Tutelea, C. Klumpner	Artificial loading of induction machines: A review	Workshop on Electrical Machine's Parameters, Technical University of Cluj-Napoca, 26th of May, 2001	2001		9-14	Google Scholar	6.6667
36	I. Boldea, S. Scridon, L. Tutelea, C. Lascu, N. Muntean	The Flux Reversal Machine (FRM) as an Automotive Alternator with 42/14V D.C. Dual Output	Proc. of 7th OPTIM 2000, Brasov, Romania	2000	973-9474-62-4	337-344	INSPEC	
37	Boldea, I; S.Scridon, Tutelea, L;	BEGA-A biaxial excitation generator for automobiles	Proc. of 7th OPTIM 2000, Brasov, Romania	2000	973-9474-62-4	345-352	INSPEC Google Scholar	6.6667
38	E.A. Ritchie, L. Tutelea, Lucian, I. Boldea	Design of Induction Machine with External Rotor for Flywheel	Proceedings of NORPIE, 13-16 June 2000, Aalborg, Denmark	2000	87-89179-29-3	251-256	Google Scholar	5
39	L. Tutelea, I. Boldea	Polygonal Flux modulation (PFM) in ac drives	Proc. of 6th OPTIM'98, Brasov, Romania	1998	10.1109/OPTIM.1998.707963	389-394	IEEE_Xplore	10
40	L. Tutelea, I. Boldea, E.A. Ritchie, P. Sandholdt, F. Blaabjerg	Thermal testing for inverter-fed induction machines using mixed frequency method	Proceedings of ICEM'98 Istanbul,Turkey	1998		248-253	Google Scholar	4
Total Punctaj jurnale şi volumele unor manifestări ştiinţifice indexate BDI (altele decat ISI)								**233**

A2.4 Granturi/Proiecte castigate prin competitie – Director grant

Nr.crt.	Programul/Beneficiarul	Titlu grant	Nr Contract	Perioada	Valoarea	Punctaj
1	CNSCIS	Actionari electrice noi pentru refrigerare – cresterea eficientei energetice cu cost redus	76GR/23. 05. 2007 tema 37	2007	10000	10
2	CNSCIS	Actionari electrice noi pentru refrigerare – cresterea eficientei energetice cu cost redus	58GR/19.05.2006 tema 18 2739/19 05 2006	2006	14000	10
Total Punctaj Granturi/Proiecte castigate prin competitie – Director grant						20

A2.4.2.1 Granturi Internationale – Membru in Echipă

Nr. crt.	Programul/Beneficiarul	Titlu grant	Nr Contract	Perioada	Punctaj
1	FP7	Energy efficient vehicles for road transport (EE-VERT)	218598	2009-2012	16
2	Consys/Denmark Prin Aalborg University Denmark	Feasibility Study for electric drive System for Four Wheel Drive, in Wheel Mounting on Small, Battery Electric, Road Passenger Vehicle	Institute of Energy Technology, AAU, Denmark	2000	3
3	Riso, DEMEX A/S, NESA A/S, Terma industries, Institute of Energy Technology, AAU, Denmark	High speed fly-wheel energy storag	Institute of Energy Technology, AAU, Denmark	1999	2.6
Total Punctaj Granturi Internationale – Membru in Echipă					**21.67**

A2.4.2.1 Granturi Nationale – Membru in Echipă

Nr. crt.	Programul/Beneficiarul	Titlu grant	Nr Contract	Perioada	Punctaj
1	UEFISCDI	Microgrid integrated small power renewable energy hybrid systems	PCCA 36/2012, PN-II-PT-PCCA-2011-3.2-1519	2012-2014	6
2	CEEX	TEHNOLOGII NOI DE ACTUATOARE ELECTRICE PENTRU AUTOMOBILE	X2C33	2006-2008	6
3	CNCSIS	Noi masini si actionari electrice de turatie variabila foarte joasa cu densitate de cuplu, randament si factor de putere ridicate	40535/2003 cod 512	2003	2
4	ANSTI	Generatoare electrice la turatie variabila pt. Sisteme de putere distribuite flexibile	7069 GR 2001 tema 812	2001	2
5	CNCSIS	Sisteme electric performant de putere pt. Vehicole hibride	34977/2001 tema 7 cod 838	2001	2
6	CNCSIS	ACTIONARI ELECTRICE CU FRECVENTA VARIABILA UTILIZAND PROCESOARELE DE SEMNAL (DSP)	39401/115	1998	2
	CNCSU	Generatoare auto noi cu reglaj electronic de putere pe 42/14V (GAN 42/14V)	36/1998 tema 42/268	1998	2
7	CNCSU	Actionari electrice universale	7004/1997 tema 19/834	1997	2
8	CNCSU	Sistem de actionare electrica universala	5004/1996 tema 317	1996	2
Total Punctaj Granturi Nationale – Membru in Echipă					**28**

Punctaj Granturi=20+21.67+28= 69.67

Punctaj Total A2: 419.56+233+69.67=722.23 (realizat) > 300 (impus)

Recunoaşterea impactului activităţii (A3)

3.1. Citări în reviste şi volumele conferinţelor ISI

Nr. Crt.	Autorii art citat	Titlu articol citat	Revista/ Proceedings	Anul	Vol./ ISSN/ ISBN	Pag.	Autori art care citeaza	Titlu articol care citeaza	Revista/ Proceedings	An	Pag.	Pun
	Articol Citat											
1	I. Boldea, L. Tutelea, C.I. Pitic	PM-assisted reluctance synchronous motor/generator (PM-RSM) for mild hybrid vehicles: Electromagnetic design	IEEE Trans. on Industry Applications	2004	0093-9994	492-498	S. Morimoto, S. Ooi, Y. Inoue, M. Sanada	Experimental Evaluation of a Rare-Earth-Free PMASynRM With Ferrite Magnets for Automotive Applications	IEEE Trans. on Industrial Electronics	2014	5749 - 5756	1.667
2							J. Nerg, M. Rilla, V. Ruuskanen, J. Pyrhonen, S. Ruotsalainen,	Direct-Driven Interior Magnet Permanent-Magnet Synchronous Motors for a Full Electric Sports Car	IEEE Trans. on Industrial Electronics	2014	4286 - 4294	1.667
3							Obata, M Morimoto, S; Sanada, M Inoue, Y	Performance of PMASynRM With Ferrite Magnets for EV/HEV Applications Considering Productivity	IEEE Trans. on Industry Applic.	2014	2427 - 2435	1.667
4							Duan, SY; Zhou, LB; Wang, J	Flux Weakening Mechanism of Interior Permanent Magnet Synchronous Machines With Segmented Permanent Magnets	IEEE Trans. on Applied Superconductivity	2014		1.667
5							S. Zhao, O. Wallmark, M. Leksell	Low-Speed Sensorless Control With Reduced Copper Losses for Saturated PMSynRel Machines	IEEE Trans. on Energy Conversion	2013	841-848	1.667
6							S. Ooi, S. Morimoto, M. Sanada, Y. Inoue	Performance Evaluation of a High-Power-Density PMASynRM With Ferrite Magnets	IEEE Trans. on Industry Applic.	2013	1308 - 1315	1.667
7							T. Kosaka, M. Arata, H. Arita, K. Sakai, M.Sanada, A. Maemura	State-of-Art of Research and Development of Vehicle Motors	IEEE ECCE ASIA DOWNUNDER	2013	153-158	1.667
8							X. Chen,J.B. Wang, P. Lazari, L. Chen	ermanent Magnet Assisted Synchronous Reluctance Machine with Fractional-Slot Winding Configurations	IEMDC	2013	374 -381	1.667
9							S. Rick, M. Felden, M. Hombitzer, K. Hameyer	Permanent Magnet Synchronous Reluctance Machine - bridge design for two-layer applications	IEMDC	2013	1376 - 1383	1.667
10							M. Barcaro, N. Bianchi	Design considerations of permanent magnet machines for automotive applications	COMPEL- the Internat. Journal for Comp. and Mathemat. In Electrical and Electronic Engineering	2013	248-277	1.667
11							Nerg, J Rilla, M Ruuskanen, V; Pyrhonen, J; Ruotsalainen, S	Design of Direct-Driven Permanent Magnet Synchronous Motors for an Electric Sports Car	XXth ICEM	2012	177-182	1.667
12							O. Takakuwa,	Technique for partially strengthening	Materials Science	2011	1422	1.667

							M.Nishikawa, H. Soyama	electrical steel sheet of IPM motor using cavitation peening	and Technology		- 1426	
13							S. Zhao, O. Wallmark, M. Leksell	Analysis of a deeply saturated sensorless PMSynRel drive for an automotive application	Proc. of 14th EPE	2011		1.667
14							X.Z. Chen, CL. Gu	Research on Operating Performance for Hybrid Rotor Synchronous Motor	Elektronika ir Elektrotetechnika	2011	pp. 3-8	1.667
15							J. Kolehmainen	Synchronous Reluctance Motor With Form Blocked Rotor	IEEE Trans. on Energy Conversion	2010	450-456	1.667
16							I. Boldea, V. Coroban-Schramel, G.G. Andreescu, F. S. Scridon	BEGA Starter/Alternator-Vector Control Implementation and Performance for Wide Speed Range at Unity Power Factor Operation	IEEE Trans. on Industry Applic.	2010	150-158	1.667
17							G. Friedrich, A. Girardin	INTEGRATED STARTER GENERATOR Design, principle, constraints, and optimal control	IEEE Industry Magazine	2009	26-34	1.667
18							S. T. Lee, L.M Tolbert	Analysis of Slanted Air-gap Structure of Interior Permanent Magnet Synchronous Motor with Brushless Field Excitation	IEEE ECCE, Vols. 1-6	2009	118-123	1.667
19							J. Baek, M.M. Rahimian, H.A. Toliyat	Optimal Design of PM Assisted Synchronous Reluctance Generators using Lumped Parameter Model and Differential Evolution Strategy	IEEE ECCE, Vols. 1-6	2009	3140 - 3146	1.667
20							J. Baek, M.M. Rahimian, H. A.Toliyat	Optimal Design and Comparison of Stator Winding Configurations in Permanent Magnet Assisted Synchronous Reluctance Generator	2009 IEEE INTERNATIONAL ELECTRIC MACHINES & DRIVES CONFERENCE, VOLS 1-3	2009	732-737	1.667
21							J. Baek, M.M. Rahimian, H.A. Toliyat	Maximum Output Power Control of Permanent Magnet-Assisted Synchronous Reluctance Generator	ICEM Vols. 1- 4	2009	221-225	1.667
22							R. Dutta, M.F. Rahman	Design and analysis of an interior permanent magnet (IPM) machine with very wide constant power operation range	IEEE Trans. on Energy Conversion	2008	25-33	1.667
23							I. Boldea, V. Coroban-Schramel, G.D. Andreescu, S. Scridon, F. Blaabjerg	BEGA Starter/Alternator - Vector Control Implementation and Performance for Wide Speed Range at Unity Power Factor	IEEE IAS, Vols 1-5	2008	2443 - 2450	1.667
24							M. Barcaro, N. Bianchi, F. Magnussen	PM Motors for Hybrid Electric Vehicles	Proc. of the 43rd Internat. Universities Power Engineering Conference, Vols 1-3	2008	1266 - 1270	1.667
25							C. Belalahy, I.	Using 3D Reluctance Network for Design a	Proc. of. 34th	2008	1998	1.667

							Rasoanarivo, F.M. Sargos	Three Phase Synchronous Homopolar Machine	IECON , Vols 1-5,		- 2003	
26							P. Niazi, H.A. Toliyat, A. Goodarzi	Robust maximum torque per ampere (MTPA) control of PM-assisted SynRM for traction applications	IEEE Trans. on Vehicular Technology	2007	1538 - 1545	1.667
27							L. Chedot, G. Friedrich, J.M. Biedinger, P. Macret	Integrated starter generator: The need for an optimal design and control approach. application to a permanent magnet machine	IEEE Trans. on Industry Applic.	2007	551-559	1.667
28							H,W. de Kock, M.J. Kamper	Dynamic control of the permanent magnet-assisted reluctance synchronous machine	IET Electric Power Applicat.	2007	153-160	1.667
29							S. Talebi, P. Niazi, H.A. Toliyat	Design of Permanent Magnet-Assisted Synchronous Reluctance Motors Made Easy	Record of 42nd IAS, VOLS. 1-5	2007	2242 - 2248	1.667
30							E. Afjei, O. Hashemipour, H. Toliyat	A new hybrid reluctance motor/field-assisted generator	Proc. of IEMDC Vols 1, 2	2007	543-547	1.667
31							L. Del Ferraro, F. Caricchi, F.G. Capponi	Analysis and comparison of a speed-dependant and a torque-dependant mechanical device for wide constant power speed range in AFPM starter/alternators	IEEE Trans. on Power Electronics	2006	720-729	1.667
32							E. Afjei, H. Toliyat, H. Moradi	A novel hybrid brushless dc motor/generator for hybrid vehicles applications	IEEE Internat. Conference on Power Electronic, Drives, and Energy Systems, Vols 1-2	2006	151-156	1.667
33							C. Belalahy,I. Rasoanarivo, T. Raminosoa, F.M. Sargos	Pre-design and optimization of three phase homopolar SRM with double statoric winding and double massive rotor	32nd IECON Vols 1-11	2006	3771 - 3776	1.667
34							R. Dutta, M.F. Rahman	Design and analysis of an interior permanent magnet (IPM) machine with very wide constant power operation range	32nd IECON, Vols 1-11	2006	5011 - 5016	1.667
35							T.J.E. Miller, M. Popescu, C. Cossar,M.I. McGilp	Computation of the voltage-driven flux-MMF diagram for saturated PM brushless motors	Record of IEEE IAS, Vols 1-4	2005	1023 - 1028	1.667
36							P. Guglielmi, G. Giraudo, G.M. Pellegrino, A. Vagati	PM assisted synchronous reluctance drive for minimal hybrid application	Record of the 39th IEEE IAS, Vols 1-4	2004	299-306	1.667
37	I. Boldea, C.I. Pitic, C. Lascu, G.D. Andreescu, L.Tutelea, F. Blaabjerg, P. Sandholdt	DTFC-SVM motion-sensorless control of a PM-assisted reluctance synchronous machine as starter-	IEEE Trans. on Power Electronics	2006	0885-8993	711-719	T.D. Nguyen, G. Foo, K.J. Tseng, D.M.Vilathgamuwa	Modeling and Sensorless Direct Torque and Flux Control of a Dual-Airgap Axial Flux Permanent-Magnet Machine With Field-Weakening Operation	IEEE-ASME Trans. on Mechatronics	2014	412-422	0.714
38							E.k. Beser, S. Camur, B. Arifoglu, E. Beser	Design and Application of a Hybrid Motor with a Rotor Structure Having Changeable Magnet and Reluctance Combination	InternationalReview of Electrical Enginnering	2012	3828 - 3835	0.714
39							V.Q Leu, H.H. Choi, J.W Jung	Fuzzy Sliding Mode Speed Controller for PM Synchronous Motors With a Load	IEEE Trans. on Power Electronics	2012	1530 -	0.714

		alternator for hybrid electric vehicles						Torque Observer			1539	
40							H. Mostafavi, M. Sadeghi, P.G. Panah, S. Azizkhani	Fuzzy Direct Torque Control of IPMSM to Improve both Efficiency and Speed Response	Proc. Of the IEEE Internat. Conference on Information and AutomationI	2012	512-517	0.714
41							Wei, JD (Wei, Jiadan); Zhou, B (Zhou, Bo); Han, C (Han, Chu); Chen, CC (Chen, ChangChun); Deng, QT (Deng, Qingtang)	A Novel Open-winding Permanent Magnetic Starter-generator for Vehicles	Materials Science and Information Technology, PTS 1-8	2012	2427 - 2433	0.714
42							Wallmark, O (Wallmark, O.); Galic, J (Galic, J.); Mosskull, H (Mosskull, H.)	Sensorless control of permanent-magnet synchronous motors adopting indirect self-control	IET Electric Power Applicat.	2012	pp. 12-18	0.714
43							Chwa, D (Chwa, Dongkyoung); Lee, KB (Lee, Kyo-Beum)	Variable Structure Control of the Active and Reactive Powers for a DFIG in Wind Turbines	IEEE Trans. on Industry Applic.	2010	2545 - 2555	0.714
44							M. Barcaro, A. Faggion, L. Sgarbossa, N. Bianchi, S. Bolognani	Performance evaluation of an integrated starter alternator using an interior permanent magnet machine	IET Electric Power Applicat.	2010	539-546	0.714
45							G. Foo, M.F. Rahman	Sensorless Sliding-Mode MTPA Control of an IPM Synchronous Motor Drive Using a Sliding-Mode Observer and HF Signal Injection	IEEE Trans. on Industrial Electronics	2010	1270 - 1278	0.714
46							G.H.B. Foo, M.F. Rahman	Direct Torque Control of an IPM-Synchronous Motor Drive at Very Low Speed Using a Sliding-Mode Stator Flux Observer	IEEE Trans. on Power Electronics	2010	933-942	0.714
47							Foo, G (Foo, Gilbert); Sayeef, S (Sayeef, Saad); Rahman, MF (Rahman, M. F.)	Low-Speed and Standstill Operation of a Sensorless Direct Torque and Flux Controlled IPM Synchronous Motor Drive	IEEE Trans. on Energy Conversion	2010	25-33	0.714
48							Foo, G (Foo, G.); Rahman, MF (Rahman, M. F.)	Sensorless vector control of interior permanent magnet synchronous motor drives at very low speed without signal injection	IET Electric Power Applicat.	2010	131-139	0.714
49							G. Foo, M.F. Rahman	Sensorless Direct Torque and Flux-Controlled IPM Synchronous Motor Drive at Very Low Speed Without Signal Injection	IEEE Trans. on Indusrial Electronics	2010	395-403	0.714
50							Foo, G (Foo,	Wide Speed Direct Torque and Flux	Journal of Power	2009	582-	0.714

							Gilbert); Rahman, MF (Rahman, M. F.)	Controlled IPM Synchronous Motor Drive Using a Combined Adaptive Sliding Mode Observer and HF Signal Injection	Electronics		592	
51							I. Boldea,M.C. Paicu, G.D. Andreescu, F. Blaabjerg	"Active Flux" DTFC-SVM Sensorless Control of IPMSM	IEEE Trans. on Energy Conversion	2009	314-322	0.714
52							G. Foo,M.F. Rahman	Wide-Speed Direct Torque and Flux Controlled Interior Permanent-Magnet Synchronous Motor Drive Using a Combined Adaptive Sliding-Mode Observer and High-Frequency Signal Injection	8th ELECTROMOTION	2009	202-208	0.714
53							Foo, G (Foo, G.); Rahman, MF (Rahman, M. F.)	An Extended Rotor-Flux Model for Sensor less Direct Torque and Flux Control of Interior Permanent-Magnet Synchronous Motor Drives	8th ELECTROMOTION	2009	270-275	0.714
54							G. Foo, M.F. Rahman	A Hybrid Signal Injection and Sliding Mode Observer for Direct Torque and Flux Controlled IPMSM Drive	ICEMS VOLS 1-3	2009	1167 - 1172	0.714
55							G. Foo, M.F. Rahman	Sensorless Adaptive Sliding Mode Control of an IPM Synchronous Motor Drive Using a Sliding Mode Observer and HF Signal Injection	13th EPE Vols 1-9	2009	5187 - 5197	0.714
56							Foo, G (Foo, Gilbert); Rahman, MF (Rahman, M. F.)	Direct Torque and Flux Controlled IPM Synchronous Motor Drive using a Hybrid Signal Injection and Adaptive Sliding Mode Observer	TENCON IEEE Region 10 Conference Vols 1-4	2009	685-691	0.714
57							Foo, Gilbert; Rahman, M. F.	An Extended Rotor Flux Model for Sensor less Direct Torque and Flux Control of IPM Synchronous Motor Drives	TENCON IEEE Region 10 Conference Vols 1-4	2009	2294-2299	0.714
58							I. Boldea	Control Issues in Adjustable-Speed Drives	IEEE Industrial Electronics Magazine	2008	32-50	0.714
59							G.D. Andreescu, C.I. Pitic, F. Blaabjerg, I.Boldea	Combined flux observer with signal injection enhancement for wide speed range sensorless direct torque control of IPMSM drives	IEEE Trans. on Energy Conversion	2008	393-402	0.714
60							Foo, Gilbert; Sayeef, Saad; Rahman, M. F.	Sensorless Direct Torque and Flux Control of an IPM Synchronous Motor at Low Speed and Standstill	13th Internat. Power Electronics and Motion Control Conference	2008	2269 - 2274	0.714
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65							Boldea, Ion	Automobile electrification trends: a review	Proc. of AEGEAN & ELECTROMOTION	2007	369-377	0.714
66	L.N. Tutelea, M.C. Kim, M. Topor,J. Lee, I. Boldea	Linear permanent magnet oscillatory machine: Comprehensive modeling for transients with validation by experiments	IEEE Trans. on Industrial Electronics	2008	0278-0046	492-500	Liang, Huisheng; Jiao, Zongxia; Yan, Liang; et al.	Design and analysis of a tubular linear oscillating motor for directly-driven EHA pump	Sensors and Actuators a-Physical	2014	107-118	1
67							Zeng, Peng; Khaligh, Alireza	A Permanent-Magnet Linear Motion Driven Kinetic Energy Harvester	IEEE Trans. on Industrial Electronics	2013	5737 - 5746	1
68							F. Marignetti, C. Carbone, V. Delli Colli, C. Attaianese	Cryogenic Characterization of Copper-Wound Linear Tubular Actuators	IEEE Trans. on Industrial Electronics	2012	2167 - 2177	1
69							J. Zou, M. Zhao, Q. Wang, Z. Jiming, W. Guangkun	Development and Analysis of Tubular Transverse Flux Machine With Permanent-Magnet Excitation	IEEE Trans. on Industrial Electronics	2012	2198 - 2207	1
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71							Pompermaier, Cristofaro; Jorge Haddad, Kalluf Flavio; Zambonetti, Alexandre; et al.	Small Linear PM Oscillatory Motor: Magnetic Circuit Modeling Corrected by Axisymmetric 2-D FEM and Experimental Characterization	IEEE Trans. on Industrial Electronics	2012	1389 - 1396	1
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75							Huang, Yi-Sheng; Sung, Cheng-Chung	Function-Based Controller for Linear Motor Control Systems	IEEE Trans. on Industrial Electronics	2010	1096 - 1105	1
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79							Zhu, Z. Q.; Chen, X.	Analysis of an E-Core Interior Permanent Magnet Linear Oscillating Actuator	IEEE Trans. on Magnetics	2009	4384 - 4387	1
80							Fujimoto, Yasutaka; Kominami, Tsutomu; Hamada, Hiroshi	Development and Analysis of a High Thrust Force Direct-Drive Linear Actuator	IEEE Trans. on Industrial Electronics	2009	1383 - 1392	1
81							Sung, Cheng-Chung; Huang, Yi-Sheng	Based on Direct Thrust Control for Linear Synchronous Motor Systems	IEEE Trans. on Industrial Electronics	2009	1629 - 1639	1
82							Fujimoto, Yasutaka; Kominami, Tsutomu; Hamada, Hiroshi	Development of a Spirally-shaped Linear Actuator	IEEE IAS	2008	543-547	1
83							Zhang, Shujun; Norum, Lars Einar	Modeling and Control for Tubular Linear Permanent Magnet Synchronous Machines with Gas Springs in Drilling Applications	Proc. 11th ICEMS	2008	968-971	1
84	S. Scridon, I. Boldea, L. Tutelea, F. Blaabjerg, A.E. Ritchie	BEGA-A biaxial excitation generator for automobiles: Comprehensive characterization and test results	IEEE Trans. on Industry Applications	2005	0093-9994	935-944	Zhang, Zhuoran; Ma, Shengjie; Dai, Ji; et al.	Investigation of Hybrid Excitation Synchronous Machines With Axial Auxiliary Air-Gaps and Non-Uniform Air-Gaps	IEEE Trans. on Industry Applicat.	2014	1729 - 1737	1
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93	S. Munk-Nielsen, L.N. Tutelea, U. Jaeger	Simulation with ideal switch models combined with measured loss data provides a good estimate of power loss.	Record of IEEE IAS, VOLS 1-5	2000	0197-2618 / 0-7803-6401-5	2915 - 2922	Stabile, Antonino; Boccaletti, Chiara; Marques Cardoso, Antonio J.	A Power Loss Measurement Method Applied to Static Power Converters	IEEE Trans. on ON Instrument.and Measurem.	2013	344-352	1.667
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95							Kedarisetti, Jayalakshmi; Mutschler, Peter	A Motor-Friendly Quasi-Resonant DC-Link Inverter With Lossless Variable Zero-Voltage Duration	IEEE Trans. on Power Electronics	2012	2613 - 2622	1.667
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97							Schoenberger, John	Averaging Methods for Electrical-Thermal Converter Models	Proc. of 14th EPE	2011		1.667
98	S.C. Agarlita, M. Fatu, L.N.Tutelea, F. Blaabjerg, I. Boldea	I-f Starting and Active Flux Based Sensorless Vector Control of Reluctance Synchronous Motors, with Experiments	Proc. of the 12th OPTIM, PTS I-IV	2010	1842-0133	337-342	Tuovinen, Toni; Hinkkanen, Marko; Luomi, Jorma	Analysis and Design of a Position Observer With Resistance Adaptation for Synchronous Reluctance Motor Drives	IEEE Trans. on Industry Applic.	2013	66-73	1
99							Agarlita, Sorin-Cristian; Boldea, Ion; Blaabjerg, Frede	High-Frequency-Injection-Assisted "Active-Flux"-Based Sensorless Vector Control of Reluctance Synchronous Motors, With Experiments From Zero Speed	IEEE Trans. on Industry Applic.	2012	1931 - 1939	1
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101							Agarlita, Sorin-Cristian; Boldea, I.; Blaabjerg, Frede	High Frequency Injection Assisted "Active Flux" Based Sensorless Vector Control of Reluctance Synchronous Motors, with Experiments from zero speed	IEEE ECCE	2011	2725 - 2732	1
102	I. Boldea, M. Topor, F. Marignetti,	A Novel, Single Stator Dual PM Rotor,	Proc. of the 12th OPTIM, PTS I-IV	2010	1842-0133	343-351	Paulides, Johannes J. H.; Gysen, Bart L. J.; Meessen, Koen J.; et	Influence of Multiple Air Gaps on the Performance of Electrical Machines With (Semi) Halbach Magnetization	IEEE Trans. on Magnetics	2011	2664 - 2667	1

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103							Consoli, Alfio; Scelba, Giacomo; Scarcella, Giuseppe; et al.	An Effective Energy-Saving Scalar Control for Industrial IPMSM Drives	IEEE Trans. on Industrial Electronics	2013	3658 - 3669	1
104							S. C. Agarlita, C.E. Coman, G.D. Andreescu, I.Boldea	Stable V/f control system with controlled power factor angle for permanent magnet synchronous motor drives	IET Electric Power Applic.	2013	278-286	1
105							Consoli, Alfio; Scarcella, Giuseppe; Scelba, Giacomo; et al.	Range Extended Efficiency Optimization Technique for Scalar IPMSM Drives	Proc. of the 14th EPE-PEMC	2010		1
106	M. Fatu, L.Tutelea, R. Teodorescu, F. Blaabjerg, I. Boldea	Motion sensorless bidirectional PWM converter control with seamless switching from power grid to stand alone and back	IEEE Power Electronics Specialists Conference, Vols 1-6	2007	0275-9306 / 978-1-4244-0654-8	1239 - 1244	Fatu, Marius; Blaabjerg, Frede; Boldea, Ion	Grid to Standalone Transition Motion-Sensorless Dual-Inverter Control of PMSG With Asymmetrical Grid Voltage Sags and Harmonics Filtering	IEEE Trans. Power Electronics	2014	3463 - 3472	1
107							Milczarek, Adam; Malinowski, Mariusz	Monitoring and Control Algorithms Applied to Small Wind Turbine with Grid-Connected/Stand-Alone Mode of Operation	Przeglad Elektrotechniczny	2012	18-22	1
108	L. Tutelea, I. Boldea	Optimal design of residential brushless d.c. permanent magnet motors with FEM validation	Proc. of AEGEAN & ELECTROMOTION,	2007	978-1-4244-0890-0	435-439	Dobrota, Ion; Costin, Madalin; Voncila, Ion; et al.	Permanent Magnet Synchronous Motor Optimization Design for Electric Drives	Proc of the 4th ISEEE	2013		2.5
109							Fodorean, Daniel; Szabo, Lorand	Study of Permanent Magnet Synchronous Machine Topologies for Electric Scooter Application	Interdisciplinary Research in Engineerig: Steps Towards Breakthrough Inovation for Sustainable Developm.	2013	397-404	2.5
110							Jurca, F. N.; Martis, C	Theoretical and experimental analysis of a three-phase permanent magnet claw-pole synchronous generator	IET Electric Power Applicat.	2012	491-503	2.5
111	L.Tutelea, M.C. Kim, Y.D. Chun, T.H. Kim, S.B. Lim, J.S. Ahn, J. Lee, I. Boldea	A set of experiments to more fully characterize linear PM oscillatory machines	IEEE Trans. on Magnetics	2005	0018-9464	4009 - 4011	Li, Ke; Santiago, Wilson; Sun, Zongxuan	Modeling of a Two-Stroke Free-Piston Engine with HCCI Combustion	Proc. Of the ASME Dynamic Systems and Control Conference	2010	117-124	0.625
112							Miller, TJE; Popescu, M; Cossar, C; et al.	Performance estimation of interior permanent-magnet brushless motors using the voltage-driven Flux-MMF diagram	IEEE Trans. on Magnetics	2006	1867 - 1872	0.625

113	L. Tutelea, I. Boldea	Induction Motor Electromagnetic Design Optimization: Hooke Jeeves Method Versus Genetic Algorithms	Proc. of the 12th OPTIM, PTS I-IV	2010	1842-0133	485-492	Naumowicz, M.; Melosik, M.; Katarzynski, P.; et al.	Automation of CMOS technology migration illustrated by RGB to YCrCb analogue converter	Opto-Electronics Review	2013	326-331	2.5
114	N. Muntean, L. Tutelea, I. Boldea	A modified carrier-based PWM modulation technique in Z-source inverters	Proc. of AEGEAN & ELECTROMOTION,	2007	978-1-4244-0890-0	174-180	Gajanayake, C. J.; Gooi, H. B.; Luo, F. L.; et al.	Simple modulation and control method for new extended boost quasi Z-source	TENCON IEEE Region 10 Conference, Vols 1-4	2009	2088 - 2093	1.667
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Recenzii Articole pentru reviste indexate ISI

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1	IEEE Transactions on Industrial Electronics	10-0892-TIE	Linear Permanent Magnet Low Power Oscillo-Motor: Dynamic Performance, With Experiments	10
2		10-1115-TIE	Global Learning Position Controls for Permanent Magnet Step Motors	10
3		11-0493-TIE	Design and Test of a Linear Reciprocating Switched Reluctance Motor for Compressors	10
4		13-TIE-1398	Influence of Machine Design Parameters on Torque-Speed Characteristic of Induction Machine for Electrical Vehicle Application	10
5		13-TIE-1626	Comprehensive Modeling of Linear Permanent Magnet Actuator for Cryo-coolers with Validation by Experiments	10
6		14-TIE-0329	Thermal Analysis of a Low-Speed High-Thrust Linear Electric Actuator. Part I: Modeling by 3D Lumped-Parameter Thermal Network Approach	10
7		14-TIE-0330	Thermal Analysis of a Low-Speed High-Thrust Linear Electric Actuator. Part II: 3D-Model Analytical Solution and Prototype Testing	10
8		14-TIE-1077	A Robust Voltage Regulator for Salient Pole Synchronous Generator	10
9	IEEE Transactions on Industrial Informatics	TII-14-1054	A Brushless DC Motor Drive Fed by a PFC Isolated-Cuk Converter Operating in DCM	10
10	JEET Journal of Electrical Engineering & Technology	J-14-05-078	Performance Characteristics of a Transverse Flux Synchronous Generator	10
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1	JEE Politehnica Publish House	1/2009-03-03	OPTIMUM OPERATING PARAMETERS FOR TORQUE RIPPLE MINIMIZATION IN SWITCHED RELUCTANCE MOTORS BASED ON GENETIC ALGORITHMS	INSPEC	6
2		2/2009-03-03	AC/DC Fly-back Converter Fed DC Motor	INSPEC	6
3		6/2009-05-05	voltage regulation using dynamic compensation of the reactive power	INSPEC	6
4		7/2009-04-03	FUZZY LOGIC BASED ANTILOCK BRAKING SYSTEM	INSPEC	6
5		11/2009-04-28	STUDY OF CONTROL PERFORMANCE AFFECTED BY MODAL INTERACTIONS IN STRESSED POWER SYSTEMS	INSPEC	6
6		13/2009-06-09	IMPLEMENTATION OF H BRIDGE INVERTER BASED DVR USING ATMEL 89C2051	INSPEC	6
7		15/2009-06-16	Induction motors vector control Drive using sliding mode flux observer	INSPEC	6
8		16/2010-01-15	A Novel Harmonic Reduction Technique for Modular Isolated Boost Converter	INSPEC	6
9		20/2009-12-09	Genetic Algorithm based approach for Multicast Routing in MANETs	INSPEC	6
10		22/2009-12-09	Solar(PV) - Grid/DG Green Power Supply for Rural India	INSPEC	6
11		23/2009-12-09	Effect of Asymetry on Reliability of Transformer 630 kVA	INSPEC	6
12		24/2010-01-16	TUBULAR LINEAR OSCILLATORY MACHINE FOR DRILLING APPLICATIONS	INSPEC	6
13		25/2011-02-03	DEVICES BASED ON PROGRAMMABLE LOGIC INTEGRATED CIRCUITS TO CONTROL THE STEPPER MOTOR	INSPEC	6
14		31/2010-08-25	Simulation Results of Current Fed Interline Power Flow Controller Using Simulink	INSPEC	6
15		32/2010-08-25	Combined system of Static VAR Compensator and Active Power Filter for Harmonic Suppression and Power Factor improvement	INSPEC	6
16		33/2010-08-25	SOMALOY – A NEW PERSPECTIVE FOR LINEAR SWITCHED RELUCTANCE MACHINES	INSPEC	6
17		35/2010-10-02	A Short review on Wind Turbine Modeling	INSPEC	6
18		37/2011-06-01	Finite Element Analysis and Experiments on a Dual Stator Winding Brushless Alternator (DSWBA) Suitable for Remote Isolated Areas	INSPEC	6
19		38/2011-01-17	Enhancement of Power System Stability by Using FACTS Controllers in an Integrated Power System Networks	INSPEC	6
20		39/2011-01-26	Combined system of Static VAR Compensator and Active Power Filter for Harmonic Suppression and Power Factor improvement	INSPEC	6
21		40/2011-01-25	SOMALOY – A NEW PERSPECTIVE FOR LINEAR SWITCHED RELUCTANCE MACHINES	INSPEC	6
22		42/2011-03-14	Smart Discrete Fourier Transform Algorithm’s Comparison with Available Filtering Algorithms for Distance Relay for Transmission Line Protection	INSPEC	6
23		43/2011-01-17	A Proto Type FPGA Based Reduced Switch Three Phase Inverter Fed Induction Motor Drive	INSPEC	6
24		45/2011-02-04	SIMULATION VERIFICATION OF DYNAMIC VOLTAGE RESTORER USING HYSTERESIS BAND VOLTAGE CONTROL	INSPEC	6
25		46/2011-02-04	Finite Element Modeling Under Stress by the Nonlinearity of a Material Ferromagnetic	INSPEC	6
26		47/2011-10-01	Finite Element Modeling Under Stress by the Nonlinearity of a Material Ferromagnetic	INSPEC	6
27		48/2011-03-14	SIMULATION OF AN ACTIVE BAND-PASS FILTER QUALITY FACTORS USING MATLAB	INSPEC	6
28		49/2011-03-14	ROBUST PSS DESIGN FOR MULTI MACHINE POWER SYSTEM USING H∞ LOOP SHAPING TECHNIQUE	INSPEC	6
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30		57/2012-06-03	MODELING OF INDIRECT IMPACT LIGHTNING BY GENERATORS	INSPEC	6
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34		79/2012-06-03	ANALYSIS OF EFFECT OF GEOMETRY ON THE PERFORMANCE OF METALLIZED POLYPROPYLENE FILM CAPACITORS	INSPEC	6
35		80/2012-06-29	Fuzzy Logic Controller for Three-Level Shunt Active Filter to Mitigate Current Harmonics with Neutral Point Voltage Unbalances Control	INSPEC	6
36		83/2013-12-08	Fuzzy Logic Controller for Three-Level Shunt Active Filter to Mitigate Current Harmonics with Neutral Point Voltage Unbalances Control	INSPEC	6
37		85/2012-09-04	OPEN-CIRCUIT FAULT DIAGNOSIS OF THREE-PHASE INDUCTION MOTOR DRIVE SYSTEMS	INSPEC	6
38		86/2014-04-08	OPTIMAL SIZING OF PHOTOVOLTAIC ARRAYS UNDER POOL-BASED POWER MARKET WITH CONSIDERING UNCERTAINTY OF SOLAR RADIATION USING PSO	INSPEC	6
39		88/2012-10-23	SINGLE PHASE SHUNT ACTIVE FILTER SIMULATION BASED ON P-Q TECHNIQUE USING PID AND FUZZY LOGIC CONTROLLERS FOR THD REDUCTION	INSPEC	6
40		92/2012-11-16	Nonlinear Average Model of Multilevel NPC inverter in DTC control of Asynchronous Machine	INSPEC	6
41		96/2012-12-03	OPTIMAL REPAIR AND PLACEMENT OF PHASOR MEASUREMENT UNITS ON POWER SYSTEMS	INSPEC	6
42		97/2012-12-12	Comparative Study between Direct Torque Control and Field-Oriented Control for Induction Machine used in Flywheel Energy Storage System	INSPEC	6
43		100/2013-12-20	DTC OF OPEN END WINDING INDUCTION MOTOR FED BY CASCADED SPACE-VECTOR-MODULATED INVERTERS	INSPEC	6
44		114/2014-03-18	Real Coded Genetic algorithm for Optimal PID Identification for high performance SCARA Robot Control	INSPEC	6
45		125/2014-03-10	Fuel Cell Power Penetration into AC Distribution Grid by Using New Cascade Multilevel Inverter with Minimum Number of Switches	INSPEC	6
46		126/2014-03-18	Monitoring and controlling industrial parameters using Embedded Ethernet system	INSPEC	6
47		127/2014-03-18	Optimal Shifting of Eigenvalues for Load Frequency Control Systems	INSPEC	6
48		131/2014-09-16	Economic Dispatch by the Combination of HNN and the Lagrange Method	INSPEC	6
49		148/2014-09-16	CONTROL OF WPCS-GRID TRANSIT POWER BY FLYWHEEL ENERGY STORAGE SYSTEM UNDER DIRECT CONTROL	INSPEC	6
50		149/2014-09-16	Solar Photovoltaic System Design By Using PVsyst And MATLAB Program	INSPEC	6
51		150/2014-10-08	Voltage Sag mitigation using Dynamic Voltage Restorer for field conditions	INSPEC	6
52		151/2014-10-08	Designing and optimization of photovoltaic-wind-fuel cell hybrid systems, for off grid applications	INSPEC	6
Total Punctaj **Recenzii Articole pentru reviste indexate BDI**					**312**

Total Punctaj Recenzie articole 100+312=412

3.5 Referent în comisii de doctorat

Nr.	Autor	Titlu tezei	Universitatea	Conducator	Data	Punctaj
1	Agarlita Cristian	Linear Permanent Magnet Oscillatory Machine and its Control	Politehnica Timisoara	Prof. Boldea I.	26.06.2009	5
2	Iepure Liviu	Sensorless control of single phase PM brushless DC motor Drives	Politehnica Timisoara	Prof. Boldea I.	15.10.2011	5
3	Topor Marcel	CONTRIBUTIONS TO THE STUDY OF PERMANENT MAGNET SYNCHRONOUS MACHINES WITH NONOVERLAPPING WINDINGS	Politehnica Timisoara	Prof. Boldea I.	30.11.2011	5
4	Ungureanu Ana Maria	An automotive air conditioning compressor electric motor drive	Politehnica Timisoara	Prof. Boldea I.	27.09.2012	5
5	Moldovan Ana	Active flux based V/F with stabilizing loops control versus vector control of IPMSM	Politehnica Timisoara	Prof. Boldea I.	16.03.2012	5
6	Gradinaru	High Speed Brushless DC PMSM optimal design and control contributions	Politehnica Timisoara	Prof. Boldea I.	27.09.2012	5
7	Ursu Dragos	Brushless DC Multiphase Reluctance Machines and Drives	Politehnica Timisoara	Prof. Boldea I.	29.09.1014	5
8	Gavris Mihaela L.	Dual Input DC-Dc converters for renewable energy processing	Politehnica Timisoara	Prof. Muntean N.	8.02.2013	5
9	Petrila Diana Paula	Energy conversion and storage control for small wind turbine systems	Politehnica Timisoara	Prof. Muntean N.	8.02.2013	5
10	Strete Larisa Elena	Studies on the linear and rotating variable reluctance and transverse flux electrical machines	Univ. Tehnica Cluj	Prof. Viorel A.I.	2009	5
11	PădurariuEmil	Axial and radial permanent magnet transverse flux motors for low and high power drives	Univ. Tehnica Cluj	Prof. Viorel A.I.	2012	5
12	Someşan Liviu-Emilian	A comparative study of permanent magnet flux switching, permanent magnet synchronous and switched reluctance motors as possible solutions in automotive drives	Univ.Tehnica Cluj	Prof. Viorel A.I.	2012	5
13	Benția Ioana	Contribution to the study of the rotary-linear switched reluctance motors	Univ. Tehnica Cluj	Prof. SZABO L.	2012	5
14	Filip Andrei Toader	Studiul vibrațiilor electromagnetice şi al zgomotelor în maşini sincrone cu magneți permanenți	Univ. Tehnica Cluj	Prof. Biro K.	2014	5
15	Hangiu Radu-Petru	Studiul maşinii sincrone cu magneți permanenți în regim de starter-alternator	Univ. Tehnica Cluj	Prof. Biro K.	2014	5
16	Andrei Victor Ionescu	Contribuții la procedurile de modulație în lățime a pulsului cu reacție de curent la convertoare statice trifazate cu caracter sursă de tensiune	Univ. Tehnica Cluj	Prof. Imecs M.	2015	5
Total Punctaj Referent în comisii de doctorat						**80**

Membru în asociații profesionale: IEEE
Punnctaj Membru în asociații profesionale= 5
Punctaj A3: 138.96+412+80+5=635.96 (realizat) > 60 (impus)

INDICATORUL DE MERIT
A = A1 + A2 + A3 = 324.6 +722.23 +635.96=1682.75 (realizat) > 440 (impus)

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