

UNIVERSITATEA POLITEHNICA DIN BUCURESTI

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

CANDIDAT: Ioana FĂGĂRĂȘAN

Concurs abilitare, Departamentul de Automatică și Informatică Industrială, Facultatea de Automatică și Calculatoare

Condiții	Îndeplinire condiții	
A. Doctor	Diploma de Doctor în domeniul Automatica, Nr. 135 din 10.10.2002 emisă de Universitatea Politehnica din București	
B. Îndeplinirea standardelor minime naționale conform OMECTS nr. 6129 / 20.12.2016 [MO, I, 123 / 15.02.2017];	Standarde îndeplinite, conform Comisiei CNATDCU Nr. 15, Calculatoare, Tehnologia Informației și Ingineria Sistemelor Anexată: Fișa de calcul și de susținere a îndeplinirii standardelor minime specifice domeniului, în acord cu realizările menționate:	
Condiții minime [Punctaj]	Minim prevăzut	Realizat
A1. Activitatea didactică și profesională	100	323.23
A2. Activitatea de cercetare	600	888.84
A3. Recunoașterea și impactul activității	150	581.76
TOTAL (A)	850	1793.83
Condiții minime obligatorii pe subcategorii [Număr]	Minim prevăzut	Realizat
A.1.1.1 – A1.1.2 Cărți și capitole în cărți de specialitate	1 carte	19
A2.1 Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI proceedings	15 Din care minim 3 în reviste cotate ISI Q1/Q2	50 Din care 4 în ISI Q1 sau Q2
A2.4.1 Granturi/proiecte câștigate prin competitive (Director/Responsabil)	2	4
A3.1.1 – A3.1.2 – Număr de citări în cărți, reviste cotate ISI și în volume ale unor manifestări științifice ISI (WOS)	25	196
Factor de impact cumulat pentru publicații	10	27.485
C. Atestarea studiilor (diploma + Foi Matricole) și a altor realizări profesionale	Diploma de Licență , în profil Energetic, specializarea Informatizarea și Conducerea Proceselor Energetice, Nr. 7004 din 20.07.1995 emisă de Universitatea Politehnica din București	
	Diplomă de Studii Aprofundate / Master , Specializarea Informatizarea Proceselor Energetice, Nr. 354, din 30.10.1996, emisă de Universitatea Politehnica din București	
	Alte Certificate	

Subsemnata Ioana FĂGĂRĂȘAN, candidat/candidată la concursul de abilitare, Departam. de Automatică și Informatică Industrială, Facultatea de Automatică și Calculatoare, din Domeniul de Studii Univ. Ingineria Sistemelor, arondat Comisiei de Specialitate CNATDCU [OMECTS 4106/10.06.2016] Nr. 15, Calculatoare, Tehnologia Informației și Ingineria Sistemelor, declar pe propria răspundere, cunoscând prevederile art. 292 privind falsul în declarații, din Legea 286/2009 - Codul Penal, ca sunt îndeplinite toate Standardele minime prevăzute de Metodologia UPB 2018 pentru înscrierea la concurs, în momentul înscrierii la concurs, și susțin veridicitatea informațiilor prezentate în dosar și în materialul de mai sus. Lucrările considerate a fi incluse în Baza ISI Thomson Reuters sau în alte Baze de Date Internaționale [BDI] sunt vizibile în aceste baze, în dreptul numelui candidatului, la aceasta dată.

Candidat,

Data
25.06.2019

Fisa de verificare a indeplinirii standardelor minime CNATDCU

Comisia Calculatoare, Tehnologia Informatiei si Ingineria Sistemelor

Perioada: -2019

Prof.dr.ing. Ioana FAGARASAN

Domeniu activitate			Subcategorii		Indicatori (kpi)	IF
Activitate didactica si profesionala (A1)	Carti si capitole in carti de specialitate in edituri recunoscute	Carti/ capitole ca autor	A1.1.1	internationale	50/nr aut sau 100/nr aut	21.875
			A1.1.2	nationale	50/nr aut	230.68
	Material didactic/ Lucrari didactice	Manuale didactice	A1.2.1		40/nr aut	70.67
					Indicator A1	323.23
Activitate de cercetare (A2)	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings		A2.1		(25+30*factor impact)/nr.de autori	522.83
	Articole in reviste si volumele unor manifestari stiintifice indexate in alte Baze de Date Internationale		A2.2		20/nr.de autori	147.01
	Proprietate intelectuala, brevete de inventie, certificate ORDA		A2.3.1	internationale	35/nr.de autori	
			A2.3.2	nationale	25/nr.de autori	5
	Granturi/proiecte castigate prin competitie	Director/ responsabil	A2.4.1.1	internationale	20*ani de desfasurare	214
			A2.4.1.2	nationale	10*ani de desfasurare	
		Membru in echipa	A2.4.2.1	internationale	4*ani de desfasurare	
			A2.4.2.2	nationale	2*ani de desfasurare	
					Indicator A2	888.84
Recunoastere si impactul activitatii (A3)	citari in carti, reviste si volumele unor manifestari stiintifice		A3.1.1	carti, ISI	8/nr aut art citat	461.76
			A3.1.2	BDI	4/nr aut art citat	
	membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice,	Punctaj unic pentru fiecare activitate	A3.2	ISI	10	120
			A3.3	BDI	6	0
	Premii in domeniu		A3.4.	Academia Romana, Astr, academii de ramura, premii internationale	15	
					Indicator A23	581.76
					INDICATOR DE MERIT TDOTAL	1793.83

Conditii minime

Conditii obligatorii minime pe subcategorii

Profesor	Domeniu de activitate	IF			Prof	IF
100	A1: Activitate didactica/ profesionala	323.23	A1.1.1 - A1.1.2	Carti si capitole in carti de specialitate	1 carte	31
600	A2: Activitate de cercetare	888.84	A2.1	Articole in reviste cotate si in volumele unor manifestari stiintifice indexate ISI proceedings	15	50
150	A3: Recunoasterea impactului activitatii	581.76			din care min 3	4
850	Total (A)	1793.83	A2.4.1.	Granturi/proiecte castigate prin competitie (Director/responsabil)	2	4
			A3.1.1 - A3.1.2	Numar de citari in carti, reviste si volume ale unor manifestari stiintifice ISI si BDI	25	196
				Factor de impact cumulat pentru publicatii	10	27.485

nr crt	Autori	titlul	Editura	Anul	nr autori	Kpi	Subcate gorii
1	Iulia Dumitru, Stéphane Ploix, Ioana FĂGĂRĂȘAN, Sergiu Stelian Iliescu	Advances in Intelligent Control Systems and Computer Science/ Book chapter: Energy Efficiency Dependency Analysis for a Data Center	Ed. Springer Berlin Heidelberg, ISBN 978-3-642-32547-2; ISSN 2194-5357; pp 307-321, 2013 (indexat SCOPUS) http://link.springer.com/chapter/10.1007/978-3-642-32548-9_22 ; https://www.worldcat.org/title/advances-in-intelligent-control-systems-and-computer-science/oclc/838412164&referer=brief_results	2013	4	6.25	A1.1.1
2	Nicoleta Arghira, Stéphane Ploix, Ioana FĂGĂRĂȘAN, Sergiu Stelian Iliescu	Advances in Intelligent Control Systems and Computer Science/ Book chapter: Forecasting Energy Consumption in Dwellings ;	Ed. Springer Berlin Heidelberg, ISBN 978-3-642-32547-2; ISSN 2194-5357; pp 251-264, 2013 (indexat SCOPUS) http://link.springer.com/chapter/10.1007/978-3-642-32548-9_18 ; https://www.worldcat.org/title/advances-in-intelligent-control-systems-and-computer-science/oclc/838412164&referer=brief_results	2013	4	6.25	A1.1.1
3	Daniela Hossu, Ioana FĂGĂRĂȘAN, Andrei Hossu and Sergiu Stelian Iliescu,	Nuclear Power Plants, Book Chapter: Evolved Fuzzy Control System for a Steam Generator;	edited by Soon Heung Chang, ISBN 978-953-51-0408-7, DOI: 10.5772/34497, pag.19-36 InTech, March 3, 2012; https://www.intechopen.com/books/nuclear-power-plants/evolved-fuzzy-control-system-for-a-steam-generator ; https://www.worldcat.org/title/nuclear-power-plants-monograph/oclc/908265427&referer=brief_results	2012	4	6.25	A1.1.1
4	Iliescu S.St., FĂGĂRĂȘAN I., Dumitru I., Arghira N.,	Introduction dans la theorie du reglage automatique – Session de Formation pour DGGT – Brazzaville, Congo (F),	Fichtner (6916A08/FICHT-6198557-v1), Germania, 2010. pages:64	2010	4	3.125	A1.1.1
TOTAL							A1.1.1
1	Sergiu Stelian Iliescu, Ioana FĂGĂRĂȘAN, Clement Feșilă, Ioan Dumitrache	Automatica, vol. 3, Coordonator Ioan Dumitrache/ Capitolul 31. Automatizări în Energetică	Ed.Academiei Romane, Bucuresti, 2016, ISBN: 978-973-27-2613-6, Nr.Pag: 1-73	2016	4	3.125	A1.1.2
2	Nicoleta ARGHIRA, Ioana FĂGĂRĂȘAN	Tehnici de inteligenta artificiala folosite in managementul energiei electrice/Capitolul MANAGEMENTUL ENERGIEI ELECTRICE	Editura Printech, Bucuresti, 2015 ISBN 978-606-23-0506-2 Pag.: 17-30	2015	2	6.25	A1.1.2
3	Ioana FĂGĂRĂȘAN	Tehnici de inteligenta artificiala folosite in managementul energiei electrice/Capitolul INTRODUCERE IN TEHNICILE DE INTELIGENTA ARTIFICIALA	Editura Printech, Bucuresti, 2015 ISBN 978-606-23-0506-2 Nr. Pag.: 1-6	2015	1	12.5	A1.1.2
4	Iulia STAMATESCU, Grigore STAMATESCU, Ioana FĂGĂRĂȘAN, Nicoleta ARGHIRA, Vasile CALOFIR	Tehnici de inteligenta artificiala folosite in managementul energiei electrice/Capitolul Studiu de caz: Sistem fuzzy de suport al deciziei pentru optimizarea performantelor sistemelor fotovoltaice cu urmare	Editura Printech, Bucuresti, 2015 ISBN 978-606-23-0506-2 Nr. Pag.: 140- 146	2015	5	2.5	A1.1.2
5	Vlad TUDOR, Sergiu ST. ILIESCU, Nicoleta ARGHIRA, Ioana FĂGĂRĂȘAN,	Tehnici de inteligenta artificiala folosite in managementul energiei electrice/Capitolul Studiu de caz: Optimizarea rețelilor de distribuție a energiei electrice cu algoritmi genetici	Editura Printech, Bucuresti, 2015 ISBN 978-606-23-0506-2 Pag.: 147-152	2015	4	3.125	A1.1.2

nr crt	Autori	titlul	Editura	Anul	nr autor	Kpi	Subcate gorii
6	Daniela HOSSU, Ioana FAGĂRAȘAN, Sergiu ST. ILIESCU	Tehnici de inteligență artificială folosite în managementul energiei electrice/Capitolul Studii de caz. Soluție de control a cazanelor cu abur utilizând tehnica fuzzy	Editura Printech, București, 2015 ISBN 978-606-23-0506-2 Pag.: 153-162	2015	3	4.1666667	A1.1.2
7	Nicolae OLARIU, Nicoleta ARGHIRA, Ioana FAGĂRAȘAN	Modelarea și simularea rețelilor de joasă tensiune cu producere din surse distribuite de energie/ Capitolul PROBLEMATICA PRODUCERII DISTRIBUITE DIN SURSE REGENERABILE	Editura Matrix Rom, București, 2013 ISBN 978-606-25-0036-8 Nr. Pag.: 25	2013	3	4.1666667	A1.1.2
8	Florin DRAGOMIR, Grigore STAMATESCU, Ioana FAGĂRAȘAN	Modelarea și simularea rețelilor de joasă tensiune cu producere din surse distribuite de energie/ Capitolul MODELAREA ȘI SIMULAREA GENERATOARELOR FOTOVOLTAICE	Editura Matrix Rom, București, 2013 ISBN 978-606-25-0036-8 Nr. Pag.: 30	2013	3	4.1666667	A1.1.2
9	Sergiu ST. ILIESCU, Ioana FAGĂRAȘAN	Modelarea și simularea rețelilor de joasă tensiune cu producere din surse distribuite de energie/ Capitolul MODELAREA ȘI SIMULAREA MICROTURBINELOR EOLIENE	Editura Matrix Rom, București, 2013 ISBN 978-606-25-0036-8 Nr. Pag.: 20	2013	2	6.25	A1.1.2
10	Horia Mihai Motit, Eugen Diaconescu, Ioana Fagarasan, Marian Romeo Catana –	Automatizări și Instrumentatie,	131 pagini, Ed. MatrixRom, București 2013, ISBN 978-606-25-0025-2 (editura acreditata- cod CNCSIS: 39)	2013	4	12.50	A1.1.2
11	I. Dumitru, G. Stamatescu, N. Arghira, I. Fagarasan, S. St. Ilescu, V. Calofir	Automatizari si Instrumentatie, Horia Mihai Motit, Eugen Diaconescu, Ioana Fagarasan, Marian Romeo Catana./ Capitolul Modelarea si monitorizarea sistemului de racire pentru un centru de date	pp 109-111, Matrix Rom, ISBN 978-606-25-0025-2	2013	6	2.0833333	A1.1.2
12	Iliescu S.St., Făgărășan Ioana, Arghira Nicoleta, Dumitru Iulia	Automatizari si Instrumentatie, Horia Mihai Motit, Eugen Diaconescu, Ioana Fagarasan, Marian Romeo Catana./ Capitolul Abordarea sistemică a reglajului automat frecvență-putere activă într-un sistem electroenergetic interconectat	pp 103-105, Matrix Rom, ISBN 978-606-25-0025-2	2013	4	3.125	A1.1.2
13	Iliescu S.St., Făgărășan Ioana, Dumitru Iulia, Arghira Nicoleta, Stamatescu Grigore	Automatizari si Instrumentatie, Horia Mihai Motit, Eugen Diaconescu, Ioana Fagarasan, Marian Romeo Catana./ Capitolul Sisteme modulare de simulare a conducerii automate a unor procese industriale pentru dotarea platformelor educaționale multifuncționale	pp. 91-93, Matrix Rom, ISBN 978-606-25-0025-2	2013	5	2.5	A1.1.2
14	Făgărășan Ioana, Iliescu S.St., Dumitru Iulia, Arghira Nicoleta	Automatizari si Instrumentatie, Horia Mihai Motit, Eugen Diaconescu, Ioana Fagarasan, Marian Romeo Catana./ Capitolul Detectia defectelor în cazul instalațiilor cu schimb de căldură	pp.97-100, Matrix Rom, ISBN 978-606-25-0025-2	2013	4	3.125	A1.1.2
15	Făgărășan Ioana, Iliescu S.St., Dumitru Iulia, Arghira Nicoleta	Automatizari si Instrumentatie, Horia Mihai Motit, Eugen Diaconescu, Ioana Fagarasan, Marian Romeo Catana./ Capitolul Metode de detecție a defectelor bazate pe model	pp 94-96, Matrix Rom, ISBN 978-606-25-0025-2	2013	4	3.125	A1.1.2
16	Arghira Nicoleta, Făgărășan Ioana, Iliescu S.St., Dumitru Iulia	Automatizari si Instrumentatie, Horia Mihai Motit, Eugen Diaconescu, Ioana Fagarasan, Marian Romeo Catana./ Capitolul Centrale electrice virtuale	pp.100-102, Matrix Rom, ISBN 978-606-25-0025-2	2013	4	3.125	A1.1.2
17	Arghira Nicoleta, Făgărășan Ioana, Iliescu S.St., Dumitru Iulia	Automatizari si Instrumentatie, Horia Mihai Motit, Eugen Diaconescu, Ioana Fagarasan, Marian Romeo Catana./ Capitolul Rolul si locul casei inteligente electrice în conceptul de dispecizare a consumului	pp.106-108, Matrix Rom, ISBN 978-606-25-0025-2	2013	4	3.125	A1.1.2
18	Iliescu S.St., Făgărășan Ioana	Automatizari si Instrumentatie, Horia Mihai Motit, Eugen Diaconescu, Ioana Fagarasan, Marian Romeo Catana./ Capitolul Conducerea proceselor energetice. Concepte si implementari	pp.88-90, Matrix Rom, ISBN 978-606-25-0025-2	2013	2	6.25	A1.1.2

nr crt	Autori	titlul	Editura	Anul	nr autor	Kpi	Subcate gorii
19	Calin Soare, Sergiu Stelian Ilescu, Ioana Fagarasan, Nicoleta Arghira, Iulia Dumitru	Sisteme neliniare si esantionate	ConsPress Bucuresti, 96 pagini, 2013, ISBN 978-973-100-281-1 (editura acreditata- cod CNCIS: 252)	2013	5	10	A1.1.2
20	MIHOC D., S.St. ILIESCU, FAGARASAN Ioana, CALOTĂ Onița, MATEI G., TARANU Gh., O. STAN	Protecții prin relee clasice si numerice,	Ed. PRINTECH, București, ISBN 978-606-521-394-4, 120 pg., 2009 (editura acreditata- cod CNCIS: 54)	2009	7	7.1428571	A1.1.2
21	ROBESCU, D., S.St. ILIESCU, I. CATANA, FAGARASAN Ioana, s.a. -	Controlul automat al proceselor de epurare a apelor uzate	Ed. Tehnica, Bucuresti, 2008, ISBN 978-973-31-2335-4, 388 pagini, 2008 (editura acreditata- cod CNCIS: 166)	2008	12	4.1666667	A1.1.2
22	MIHOC D., ILIESCU S.St., FAGARASAN Ioana, TARANU Gh., MATEI G.,	Automatizări electro- și termoelectrice,	Ed. PRINTECH, București, ISBN: 978-973-718-936-3, 180 pg., 2008; (editura acreditata- cod CNCIS: 54)	2008	5	10	A1.1.2
23	MIHOC D., FAGARASAN Ioana, CALOTĂ Onița., TARANU Gh., MATEI G.,	Protecții prin relee,	Ed. PRINTECH, București, ISBN 978-973-718-715-4, 107 pg., 2007 (editura acreditata- cod CNCIS: 54);	2007	5	10	A1.1.2
24	ILIESCU S.St., FAGARASAN Ioana, PUPĂZĂ D.,	Analiza de sistem în informatica industrială,	Editura AGIR, București, ISBN 973-720-091-8, 142 pg., 2006 (editura acreditata- cod CNCIS:140);	2006	3	16.666667	A1.1.2
25	MIHOC D., ILIESCU S.St., FAGARASAN Ioana, TARANU Gh.,	Conducerea și automatizarea instalațiilor energetice,	Editura Printech, București, ISBN (10) 973-718-497-1, ISBN (13) 978-973-718-497-9, 110 pg., 2006 (editura acreditata- cod CNCIS: 54);	2006	4	12.5	A1.1.2
26	ILIESCU S.St., FAGARASAN Ioana -	Automatizări în centrale termoelectrice,	Ed. Printech, București, ISBN 973-718-236-7, 173 pg., 2005;	2005	2	25	A1.1.2
27	FAGARASAN Ioana	Metode de detectare a defectelor utilizand modele analitice,	Ed. Printech, Bucuresti, ISBN 973-718-144-1, 109 pg., 2004 (editura acreditata- cod CNCIS: 54);	2004	1	50	A1.1.2
TOTAL						230.68	A1.1.2
1	Daniela HOSSU, Ioana FAGARASAN, Iulia DUMITRU, Nicoleta ARGHIRA, Sergiu Stelian ILIESCU	GHID PRACTIC DE PROIECTARE ȘI IMPLEMENTARE A APLICAȚIILOR SCADA	ConsPress Bucuresti, 103 pagini, 2013, ISBN 978-973-100-226-2 (editura acreditata- cod CNCIS: 252)	2013	5	8	A1.2.1
2	Sergiu Stelian Ilescu, Ioana Fagarasan, Nicoleta Arghira, Iulia Dumitru	Analiza si proiectarea Sistemelor de reglare automata	ConsPress Bucuresti, 44 pagini, 2013, ISBN 978-973-100-271-2 (editura acreditata- cod CNCIS: 252)	2013	4	10	A1.2.1
3	Făgărășan I., Grigore Stamatescu, Dumitru Iulia, Arghira Nicoleta,	Actionari electrice si electronice ale motorului electric	ConsPress Bucuresti, 88 pagini, 2012, ISBN 978-973-100-224-8, (editura acreditata- cod CNCIS: 252)	2012	4	10	A1.2.1
4	Făgărășan I., Grigore Stamatescu, Dumitru Iulia, Arghira Nicoleta,	Automatizari. Scheme de comanda. Circuite Logice Secventiale. Panou Didactic LOGO,	ConsPress Bucuresti, 66 pagini, 2012, ISBN 978-973-100-226-2 (editura acreditata- cod CNCIS: 252)	2012	4	10	A1.2.1
5	SOARE C., ILIESCU S.St., TUDOR V., FAGARASAN Ioana, DRAGOMIR Otilia, DRAGOMIR F.,	„Proiectarea asistată de calculator în Matlab și Simulink – Conducerea avansată a proceselor”,	Editura AGIR, București, ISBN 973-720-092-6, 228 pg., 2006 (editura acreditata- cod CNCIS:140);	2006	6	6.6666667	A1.2.1
6	SOARE C., ILIESCU S.St., FAGARASAN Ioana, TUDOR V., FAIDA NICULESCU Oana -	„Proiectarea asistată de calculator în Matlab și Simulink – Modelarea si simularea proceselor”	Editura AGIR, București, ISBN 973-720-102-7, 191 pg., 2006 (editura acreditata- cod CNCIS:140);	2006	5	8	A1.2.1
7	ILIESCU S.St., SOARE C., FAGARASAN Ioana, Arsene Patricia, FAIDA NICULESCU Oana,	Analiza și sinteza sistemelor automate. Aplicații utilizând Matlab/Simulink,	Ed. Printech, Bucuresti, ISBN 973-718-209-X, 107 pg., 2005 (editura acreditata- cod CNCIS: 54);	2005	5	8	A1.2.1

27/06/2019

Activitate didactica - Prof.dr.ing. Ioana FAGARASAN

nr crt	Autori	titlul	Editura	Anul	hr autor	Kpi	Subcate gorii
8	SOARE C., FĂGĂRAȘAN Ioana, Arsene Patricia, ILIEȘCU S.St.	Teoria reglării automate. Aplicații.	Ed Printech, Bucuresti, ISBN 973-652-480-9, 129 pg., 2001 (editura acreditata- cod CNCIS: 54).	2001	4	10	A1.2.1
TOTAL							A1.2.1
70.87							

TOTAL	323.23
Minim	100

Activitatea de cercetare

Tipul activității	Subcategorii	Indicatori (kpi)
Articole în reviste indexate ISI Thomson Reuters	A2.1	(25+30*factor impact)/nr.de autori

nr crt	Autori	titlul articol	Publicatie	Anul	factor de impact	nr. de autori ai publicatiei (ni)	kpi	Subcategorie	Link ISI
1	Stamatescu, G.; Fagărașan, I.; Arghira, N.; Fagărașan, I.	Data-Driven Modelling of Smart Building Ventilation Subsystem	JOURNAL OF SENSORS, HINDAWI LTD, ADAM HOUSE, 3RD FLR, 1 FITZROY SQ, LONDON, W1T 5HF, ENGLAND; ISSN: 1687-725X; eISSN: 1687-7268 (revista indexata ISI WOS:000462427300001; Q2-ENGINEERING, ELECTRICAL & ELECTRONIC) pages 1-14 https://www.hindawi.com/journals/jss/2019/3572019/abs/ ; (Fi:2.024 lunie 2019)	2019	2.024	4	21.43	A2.1	https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=23&SID=E3ZEOV62h6xm2gJvMlm&page=1&doc=2
2	Stamatescu, G.; Fagărașan, I.; Sachenko, A.	Sensing and Data-Driven Control for Smart Building and Smart City Systems	JOURNAL OF SENSORS Article Number: 4528034 Published: 2019 DOI: 10.1155/2019/4528034 WOS:000466426200001; ISSN: 1687-725X; eISSN: 1687-7268 (Fi 2.057) Q2-ENGINEERING, ELECTRICAL & ELECTRONIC pages 1-3 https://www.hindawi.com/journals/jss/2019/4528034/ ; (Fi:2.024 lunie 2019)	2019	2.024	3	28.57	A2.1	https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=23&SID=E3ZEOV62h6xm2gJvMlm&page=1&doc=1
3	STAMATESCU I., ARGIRA N., FAGĂRAȘAN I., STAMATESCU G., ILIESCU S. St., CALOFIR V.	Decision Support System for a Low Voltage Renewable Energy System	Energies, Vol. 10, 2017. (revista indexata ISI: WOS:000392422500117) pages 1-15; Q2 ENERGY and FUEL; https://www.mdpi.com/1996-1073/10/1/118 https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=3&SID=D3Y7jzDAtUjK5Sd6t&page=1&doc=5&cacheurlFromRightClick=no (Fi:2.262 Ianuarie 2017)	2017	2.262	6	15.48	A2.1	https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=23&SID=E3ZEOV62h6xm2gJvMlm&page=1&doc=14
4	Calofir V., Tanasa V., Fagărașan I., Stamatescu I., Arghira N., Stamatescu G.	A Backstepping Control Method for a Nonlinear Process - Two Coupled Tanks,	Scientific Bulletin, University Politehnica Bucharest, Series C: Electrical Engineering, ISSN 1454-234X, Vol. 77, Iss. 3, 2015, pages 67 - 76; WOS:000421805200006	2015	0.25	6	5.42	A2.1	https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=40&SID=E3ZEOV62h6xm2gJvMlm&page=1&doc=3
5	HOSSU, D., I. FAGĂRAȘAN, S. ST. ILIESCU, A. HOSSU	Evolved Fuzzy Control System for a Steam Generator	International Journal of Computers, Communications and Control, ISSN 1841-9836, E-ISSN 1841-9836, Vol. V (2010), No. 2, pages 179-192, (revista indexata ISI: WOS:000275414000005, SCOPUS) (Fi:1.585 lunie 2019)	2010	1.585	4	18.14	A2.1	https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=40&SID=E3ZEOV62h6xm2gJvMlm&page=1&doc=6
6	Bucur, I.I.; Făgărașan I., Popescu, C. George Culea, Alexandru E. Susu	Delay Optimum And Area Optimal Mapping Of k-LUT Based FPGA Circuits,	Control Engineering and Applied Informatics, Volume 11, Issue 1, pages 43-48, ISBN 978-960-474-113-7, 2009. (revista indexata ISI : WOS:000268862000006) (Fi:0.583 lunie 2019)	2009	0.583	5	8.5	A2.1	https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=50&SID=E3ZEOV62h6xm2gJvMlm&page=1&doc=7
7	I. FAGĂRAȘAN, S. ST. ILIESCU, D. HOSSU,	A comparison of model and signal based fault detection methods,	Proceedings of the Romanian Academy -series A, Volume 9, Number 3 September - December 2008, Editura Academiei Romane, ISSN: 1454 - 8267, pages 243-251 (revista indexata ISI: WOS:000261604300011, SCOPUS) Q2 2017 MULTIDISCIPLINARY SCIENCES (Fi:1.402 lunie 2019)	2008	1.402	3	22.35	A2.1	https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=23&SID=E3ZEOV62h6xm2gJvMlm&page=1&doc=39

8	FĂGĂRAȘAN I., PLOIX, S., GENTIL, S.	Causal Fault Detection and Isolation Based on Set- membership Approach,	Automatica, Volume 40, Issue 12, December 2004, ISSN 0005-1098, pages 2099-2110, 2004. (revista indexată ISI: WOS:000224816300009 - 35 citări, indexat în baze de date internaționale - SCOPUS - 57 citări) - Q1 AUTOMATION & CONTROL SYSTEMS (Fi:6.355 Iunie 2019)	2004	6.355	3	71.88	A2.1	https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=GeneralSearch&qid=23&SID=E3ZEOV62h6xm2gvMlm&page=1&do=c=48
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Factor de impact cumulat reviste ISI	16.485
total kpi	191.77
	A2.1

Tipul activităților	Observatii (activitatea din întreaga cariera)	Categ orii si restric	Subatego rii	Indicatori (kpi)
articole în reviste indexate în Baze de Date Internationale	Reviste de specialitate de circulație internațională recunoscute, indexate în altele Baze de Date Internationale - BDI ¹),		A2.2	20/nr. de autori
		1.2.		

nr crt	Autori	titlul articol	Publicatie	Anul	nr. de autori (ni)	kpi	Indexare	Subcateg orie
1	Costianu, D. R., Arghira, N., Făgărașan, I., Iliescu, S.S.,	A survey on power system protection in smart grids,	Scientific Bulletin, University POLITEHNICA Bucharest, Series C: Electrical Engineering, vol. 74, nr. 1, ISSN 1454234x, pp. 139-146, 2012	2012	4	5	SCDPUS	A2.2
2	Nicoleta ARGHIRA Daniela HOSSU, Ioana FĂGĂRAȘAN, Sergiu St. ILIESCU, Daniel COSTIANU	Modern SCADA philosophy in power system operation - a survey	Scientific Bulletin, University Politehnica Bucharest, Series C: Electrical Engineering, ISSN 1454-234X, vol. 73, nr. 2, pg 153-166, 2011	2011	5	4	SCOPUS; inspec	A2.2
3	Ioana FĂGĂRAȘAN, Sergiu St. ILIESCU, Iulia Dumitru,	Process Simulator using PLC Technology,	Scientific Bulletin, University Politehnica Bucharest, Series C: Electrical Engineering, ISSN 1454-234X, vol. 72, nr. 2, pg 17-26, 2010	2010	3	6.67	SCOPUS; inspec	A2.2
4	ALABA, O.B. Ioana FĂGĂRAȘAN, R. DOBRESCU, S.St. ILIESCU,	System Analysis for E- Learning Grids,	Scientific Bulletin, University Politehnica Bucharest, Series C: Electrical Engineering, ISSN 1454-234X, vol. 71, nr. 3, pg. 71-79, 2009	2009	4	5	SCOPUS, inspec	A2.2
5	FĂGĂRAȘAN Ioana, S. St. ILIESCU, Iulia DUMITRU, Nicoleta ARGHIRA, Bucur I,	Modular System for Process Control Testing,	WSEAS Transactions on Systems and Control, ISSN: 1991-8763 Issue 4, Volume 7, pp.329-338, 2009	2009	5	4	SCOPUS;	A2.2

nr crt	Autori	titlul articol	Publicatie	Anul	nr. de autori (ni)	kpi	indexare	Subcategorie	
6	FĂGĂRĂȘAN Ioana, COSTINAS, S., ILIESCU S.St.,	Monitoring and Diagnosis Methods for High Voltage Power Transformer.	Scientific Bulletin, University POLITEHNICA Bucharest, Series C: Electrical Engineering, ISSN:1454-234X, vol. 70, nr. 3, pp 37-46, 2008	2008	3	6.67	SCOPUS	A2.2	https://www.scopus.com/record/display.uri?eid=2-s2.0-46249130776&origin=resultslist&sort=plf-f&src=s&st1=fagarasan&st2=ioana&nlo=1&nlf=20&nls=afprf
7	NICULESCU-FAIDA, Oana, ILIESCU S.St., FĂGĂRĂȘAN Ioana, NICULESCU-FAIDA, A.	Vehicle stability study on curved trajectory.	Scientific Bulletin, University POLITEHNICA Bucharest, Series C: Electrical Engineering, vol. 70, nr. 2, ISSN1454234X, pp. 121-133, 2008	2008	4	5	SCOPUS	A2.2	https://www.scopus.com/record/display.uri?eid=2-s2.0-44949176538&origin=resultslist&sort=plf-f&src=s&st1=fagarasan&st2=ioana&nlo=1&nlf=20&nls=afprf
8	ILIESCU S.St., Ioana FĂGĂRĂȘAN, V. POPESCU, C. SOARE,	Gas Turbine Modelling for Load-Frequency Control	Scientific Bulletin, University POLITEHNICA Bucharest, Series C: Electrical Engineering, vol. 70, nr. 4, ISSN 1454-234X, 2008 pp. 13-20	2008	4	5	SCOPUS	A2.2	https://www.scopus.com/record/display.uri?eid=2-s2.0-57149124891&origin=resultslist&sort=plf-f&src=s&st1=fagarasan&st2=ioana&nlo=1&nlf=20&nls=afprf
9	FĂGĂRĂȘAN Ioana, Sergiu St. ILIESCU,	Applications of Fault Detection Methods to Industrial Processes	WSEAS TRANSACTIONS on SYSTEMS, ISSN: 1109-2777, Issue 6, Volume 7, pp 812-821, 2008 http://dl.acm.org/citation.cfm?id=1456045	2008	2	10	ACM	A2.2	http://dl.acm.org/citation.cfm?id=1456045
10	BARBULEA, S., SERBANESCU, A., ARSENE, P., FĂGĂRĂȘAN Ioana -	Robust Fault Detection And Isolation via Unknown Input Observers	Scientific Bulletin, University POLITEHNICA Bucharest, Series C: Electrical Engineering, vol 62, nr. 3, ISSN 1454-234X, pp. 61-73, 2000.; https://www.sciencedirect.com/science/article/pii/S1474667017373871	2000	4	5	ScienceDirect	A2.2	https://www.sciencedirect.com/science/article/pii/S1474667017373871
11	ILIESCU S.St., SOARE C., ARSENE Patricia, FĂGĂRĂȘAN Ioana -	The pursuit problem of control systems with relay action	Scientific Bulletin, University POLITEHNICA Bucharest, Series C: Electrical Engineering, vol 61, nr. 3-4, ISSN 1454-234X, pp. 319-327, 1999; https://www.sciencedirect.com/science/article/pii/S1474667017412183	1999	4	5	ScienceDirect	A2.2	https://www.sciencedirect.com/science/article/pii/S1474667017412183
total						61	A2.2		

Activitatea de cercetare					
Tipul activităților	Observatii (activitatea din întreaga cariera)	Categoriile și restricții	Nr.crt	Subategorii	Indicatori (kpi)
articole (in extenso) in volumele unor manifestări stiintifice indexate ISI	Volumele unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate, indexate ISI Thomson Reuters		1.4	A2.1.	(25*30*0.25)/nr.de autori

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nr crt	Autori	titlul articol	Publicatie	Anul	nr. de autori (ni)	kpi	indexare
6	Stamatescu, Grigore, Stamatescu, Iulia; Arghira, Nicoleta, Fagarasan Ioana	Pervasive System Architecture for Optimal HVAC Control in Smart Buildings	PROCEEDINGS OF THE 2017 12TH IEEE CONFERENCE ON INDUSTRIAL ELECTRONICS AND APPLICATIONS (ICIEA) Book Series: IEEE Conference on Industrial Electronics and Applications, Pages: 59-63; ISBN:978-1-5090-6161-7; ISSN: 2156-2318	2017	4	8.13	WOS:000426994400011 1 ull_record.do?product=WOS&searchmode=DaisyOneClickSearch&qid=3&SID=D3Y7JzDaTuirS5KSd6t&page=1&d oc=16&cacheurlFromRightClick=no https://apps.webofknowledge.com/full_record.do?product=WOS&searchmode=DaisyOneClickSearch&qid=3&SID=D3Y7JzDaTuirS5KSd6t&page=1&d oc=16&cacheurlFromRightClick=no
7	Marinescu, Tiberiu, Arghira Nicoleta, Hossu Daniela, Fagarasan Ioana , Stamatescu Iulia, Stamatescu Grigore, Calofir Vasile, Iliescu Sergiu Stelian.	Advanced control strategies for irrigation systems.	The 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS). Vol. 2, pp.843-848, 2017	2017	8	4.06	WOS:000425870400048 8 https://apps.webofknowledge.com/full_record.do?product=WOS&searchmode=DaisyOneClickSearch&qid=3&SID=D3Y7JzDaTuirS5KSd6t&page=1&d oc=16&cacheurlFromRightClick=no
8	Stamatescu, Grigore, Stamatescu, Iulia; Arghira, Nicoleta, Dragana, Cristian, Fagarasan, Ioana	Data-driven Methods for Smart Building AHU Subsystem Modeling	PROCEEDINGS OF THE 2017 9TH IEEE INTERNATIONAL CONFERENCE ON INTELLIGENT DATA ACQUISITION AND ADVANCED COMPUTING SYSTEMS: TECHNOLOGY AND APPLICATIONS (IDAACS), VOL. 2, Pages: 617-621 Published: 2017	2017	5	6.5	WOS:000425870400009 9 https://apps.webofknowledge.com/full_record.do?product=WOS&searchmode=DaisyOneClickSearch&qid=3&SID=D3Y7JzDaTuirS5KSd6t&page=1&d oc=16&cacheurlFromRightClick=no
9	Stamatescu Iulia, Stamatescu Grigore, Fagarasan Ioana , Arghira Nicoleta, Calofir Vasile, Iliescu Sergiu Stelian.	ASID: Advanced system for process control towards intelligent specialization in the power engineering field.	The 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS). Vol. 2, pp. 475-480, 2017, ISBN:978-1-5386-0697-1	2017	6	5.42	WOS:000425869000008 6 https://apps.webofknowledge.com/full_record.do?product=WOS&searchmode=DaisyOneClickSearch&qid=3&SID=D3Y7JzDaTuirS5KSd6t&page=1&d oc=16&cacheurlFromRightClick=no
10	Ioana Fagarasan , Iulia Stamatescu, Cristina Nichiforov, Grigore Stamatescu, Nicoleta Arghira, Sergiu Stelian Iliescu.	Laboratory Scale Wind Energy Harvester.	The 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS), I. 2, pp. 481-485, 2017, Bucharest, Romania.	2017	6	5.42	WOS:000425870400019 9 https://apps.webofknowledge.com/full_record.do?product=WOS&searchmode=DaisyOneClickSearch&qid=3&SID=D3Y7JzDaTuirS5KSd6t&page=1&d oc=16&cacheurlFromRightClick=no
11	Ioana Fagarasan , Iulia Stamatescu, Nicoleta Arghira, Daniela Hossu, Andrei Hossu, Sergiu Stelian Iliescu.	Control Techniques and Strategies for Microgrids: Towards an Intelligent Control.	The 21th International Conference on Control Systems and Computer Science (CSCS), pp. 630-635, 2017, Bucharest, Romania	2017	6	5.42	(proceeding indexat ISI) WOS:000449004400008 9 https://apps.webofknowledge.com/full_record.do?product=WOS&searchmode=DaisyOneClickSearch&qid=3&SID=D3Y7JzDaTuirS5KSd6t&page=1&d oc=16&cacheurlFromRightClick=no
12	Ionescu, M.A.; Iliescu, S.S.; Arghira, N.; Fagarasan, I.	PV module behavior model for different external factors conditions	PROCEEDING OF 2016 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR) Location: Cluj Napoca, ROMANIA Date: MAY 19-21, 2016 Pages: 263-268 Published: 2016 ISBN:978-1-4673-8690-6 ISSN: 1844-7872	2016	4	8.13	(proceeding indexat ISI) WOS:000390997900044 4 https://apps.webofknowledge.com/full_record.do?product=WOS&searchmode=DaisyOneClickSearch&qid=3&SID=D3Y7JzDaTuirS5KSd6t&page=1&d oc=16&cacheurlFromRightClick=no
13	Dinu, E.D.; Ilisiu, D.; Fagarasan, I. ; Iliescu, S.St., Arghira, N.;	Voltage - Reactive Power Control in Renewables Power Plants Technical Requirements applied in the Romanian Power Grid	PROCEEDING OF 2016 IEEE International Conference on Automation, Quality and Testing, Robotics (AQTR) Location: Cluj Napoca, ROMANIA Date: MAY 19-21, 2016 Pages: 275-279 Published: 2016 ISBN:978-1-4673-8690-6 ISSN: 1844-7872	2016	5	6.5	(proceeding indexat ISI) WOS:000390997900046 6 https://apps.webofknowledge.com/full_record.do?product=WOS&searchmode=DaisyOneClickSearch&qid=3&SID=D3Y7JzDaTuirS5KSd6t&page=1&d oc=16&cacheurlFromRightClick=no

nr crt	Autori	titlul articol	Publicatie	Anul	nr. de autori (n)	kpi	indexare
14	Stamatescu, I.; Stamatescu, G.; Arghira, N.; Calofir, V.; Fagarasan, I.; Ilescu, S.St.	DEVELOPMENT AND IMPACT ASSESSMENT OF CLOUD-BASED INDUSTRIAL AUTOMATION TECHNOLOGY CURRICULA	12th International Scientific Conference on eLearning and Software for Education (eLSE) Location: Bucharest, ROMANIA Date: APR 21-22, 2016 ELEARNING VISION 2020, VOL III Book Series: eLearning and Software for Education Pages: 266-271 Published: 2016 ISSN: 2066-026X	2016	5	6.5	(proceeding indexat ISI: WOS:000385397100037) https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=DaisyOneClickSearch&qid=3&S_ID=D3Y7JzDaTuir5SK5d6t&page=1&d_oc=24&cacheurlFromRightClick=no
15	Fagarasan, I.; Arghira, N.; Calofir, V.; Ilescu, S.St.; Stamatescu, I.; Stamatescu, G.	VIRTUAL LABS FOR POWER SYSTEM STUDIES	12th International Scientific Conference on eLearning and Software for Education (eLSE) Location: Bucharest, ROMANIA Date: APR 21-22, 2016 ELEARNING VISION 2020, VOL III Book Series: eLearning and Software for Education Pages: 266-271 Published: 2016 ISSN: 2066-026X	2016	5	6.5	(proceeding indexat ISI: WOS:000385397100039) https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=DaisyOneClickSearch&qid=3&S_ID=D3Y7JzDaTuir5SK5d6t&page=1&d_oc=25&cacheurlFromRightClick=no
16	Stamatescu, I.; Stamatescu, G.; Calofir, V.; Fagarasan, I.; Ilescu, S.St.	Predictive Control for Photovoltaic Tracking Optimization	Int IEEE Aegean Conference on Electrical Machines and Power Electronics (ACEMP) / Int Conference on Optimization of Electrical and Electronic Equipment (OPTIM) / Int Symposium on Advanced Electromechanical Motion Systems (ELECTROMOTION) Location: Side, TURKEY Date: SEP 02-04, 2015 Pages: 531-537, ISBN:978-1-4673-7239-8	2015	5	6.5	(proceeding indexat ISI: WOS:000382957000082) https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=DaisyOneClickSearch&qid=3&S_ID=D3Y7JzDaTuir5SK5d6t&page=1&d_oc=26&cacheurlFromRightClick=no
17	STAMATESCU G.; STAMATESCU I.; ARGHIRA N.; FAGARASAN I.; S.St. ILESCU	Embedded Networked Monitoring and Control for Renewable Energy Storage Systems	12th IEEE International Conference on Development and Application Systems (DAS) Location: Suceava, ROMANIA Pages: 1-6 Published: 2014	2014	5	6.5	(proceeding indexat ISI: WOS:000359866000001, SCOPUS 106437) https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=DaisyOneClickSearch&qid=3&S_ID=D3Y7JzDaTuir5SK5d6t&page=1&d_oc=27&cacheurlFromRightClick=no
18	Stamatescu, I.; Stamatescu, G.; Arghira, N.; Fagarasan, I.; Ilescu, S.St.	Fuzzy decision support system for solar tracking optimization	2014 International Conference on Development and Application Systems, DAS 2014 - Conference Proceedings 6842420, pp. 16-20	2014	5	6.5	(proceeding indexat ISI: WOS:000359866000004, SCOPUS 106437) https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=DaisyOneClickSearch&qid=3&S_ID=D3Y7JzDaTuir5SK5d6t&page=1&d_oc=28&cacheurlFromRightClick=no
19	STAMATESCU G.; STAMATESCU I.; ARGHIRA N.; FAGARASAN I.; S.St. ILESCU	INNOVATIVE SCADA TEST BED INFRASTRUCTURE FOR ENGINEERING EDUCATION AND RESEARCH	10th International Scientific Conference on eLearning and Software for Education, Bucharest, ROMANIA, 2014, LET'S BUILD THE FUTURE THROUGH LEARNING INNOVATION!, VOL. 2 Book Series: eLearning and Software for Education Pages: 464-471 Published: 2014	2014	5	6.5	(proceeding indexat ISI: WOS:000357159300074, SCOPUS) https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=DaisyOneClickSearch&qid=3&S_ID=D3Y7JzDaTuir5SK5d6t&page=1&d_oc=29&cacheurlFromRightClick=no
20	Stamatescu, I.; Fagarasan, I.; Stamatescu, G.; Arghira N.; Ilescu S.St.	Design and Implementation of a Solar-Tracking Algorithm	24TH DAAAM INTERNATIONAL SYMPOSIUM ON INTELLIGENT MANUFACTURING AND AUTOMATION, 2013 Book Series: Procedia Engineering Volume: 69 Pages: 500-507 Published: 2014	2013	5	6.5	(proceeding indexat ISI: WOS:0003358593000067, SCOPUS Code 104678) https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=DaisyOneClickSearch&qid=3&S_ID=D3Y7JzDaTuir5SK5d6t&page=1&d_oc=30&cacheurlFromRightClick=no

nr crt	Autori	titlul articol	Publicatie	Anul	nr. de autori (ni)	kpi	indexare
21	AM Viadu, I Fagarasan,	On prediction of defect rates	Proceedings of International Conference on Automation Quality and Testing Robotics (AQTR), 2012 IEEE Cluj-Napoca, ISBN: 978-1-4673-0701-7; INSPEC art. no. 6237703, pp. 201-205. Accession Number: 12853531; DOI: 10.1109/AQTR.2012.6237703 (proceeding indexat SCOPUS 91781 si INSPEC)	2012	2	16.25	(proceeding indexat ISI: WOS:000400227100036, SCOPUS 91781 si INSPEC)
22	Iulia Dumitru, Nicoleta Arghira, Ioana Fagarasan, Sergiu Ilescu,	Process Control Simulator using Programmable Controller Technology.	Proceedings of the 2010 IEEE International Conference on Automation, Quality and Testing, Robotics 17th edition of, vol. 1, pp 89-93, ISBN 978-1-4244-6722-8/10, DOI: 10.1109/AQTR.2010.5520909, 28-30 May 2010, Cluj, Romania (proceeding indexat SCOPUS 82014).	2010	4	8.13	(proceeding indexat ISI: WOS:000419281500052, SCOPUS 82014)
23	Nicoleta Arghira, Iulia Dumitru, Ioana Fagarasan, Sergiu Ilescu, Soare C.	Load Frequency Regulation in Power Systems.	Proceedings of the 2010 IEEE International Conference on Automation, Quality and Testing, Robotics 17th edition of, vol. 1, pp 94-99, ISBN 978-1-4244-6722-8/10, DOI: 10.1109/AQTR.2010.5520910, 28-30 May 2010, Cluj, Romania (proceeding indexat SCOPUS 82014).	2010	5	6.5	(proceeding indexat ISI: WOS:000419281500053, SCOPUS 82014)
24	ILIESCU, S.SI, FĂGĂRĂȘAN, I., C. SOARE, D. ILISIU, F. BILBOACA,	Process Modelling for Load Frequency Control in Power Systems.	Proceedings of the 2009 IEEE Bucharest Power Tech Conference, June 28th - July 2nd, Bucharest, Romania, ISBN: 978-1-4244-2235-7, pg.793-798. (proceeding indexat ISI: WOS:000276834600190, SCOPUS 78575)	2009	5	6.5	(proceeding indexat ISI: WOS:000276834600190, SCOPUS 78575)
25	FĂGĂRĂȘAN, I., S.SI, ILIESCU, I. DUMITRU, N. ARGHIRA, I. BUCUR,	Control System Simulator with PLC.	Proceedings of the 11th WSEAS International Conference on Sustainability in Science Engineering, May 27-29, 2009, Timisoara, Romania, pp 163-166, ISBN: 978-960-474-080-2; ISSN: 1790-2769, 2009 (proceeding indexat ISI: WOS:000269057100026)	2009	5	6.5	(proceeding indexat ISI: WOS:000269057100026)
26	ARGHIRA, N., D. ILISIU, I. FĂGĂRĂȘAN, S.SI, ILIESCU, V.A. ASAN,	Aspects Regarding Integration of Wind Power Plants into the Power System.	9th WSEAS International Conference On Power Systems (PS '09) Budapest, Hungary, September 3-5, 2009 pp. 127-131, ISSN: 1790-5117 (proceeding indexat ISI: WOS:000273270400020, SCOPUS 79167- 1 citare)	2009	5	6.5	(proceeding indexat ISI: WOS:000273270400020, SCOPUS 79167- 1 citare)
27	DUMITRU, I., FĂGĂRĂȘAN, S.SI, ILIESCU, G. STAMATESCU, N. ARGHIRA, V. BARBULEA,	A modular Process Simulator with PLC.	9th WSEAS International Conference On Simulation, Modeling and Optimization (SIMO '09) Budapest, Hungary, September 3-5, 2009 pp. 391-394, ISSN: 1790-2769 (proceeding indexat ISI: WOS:000273246400069, SCOPUS 82310)	2009	6	5.42	(proceeding indexat ISI: WOS:000273246400069, SCOPUS 82310)

nr crt	Autori	titlul articol	Publicatie	Anul	nr. de autori (ni)	kpi	indexare
28	BUCUR I., A.C. BOIANGIU, N. CONSTANTIN, M. DRAGOICEA, I. FAGARASAN, A. SURPATEANU,	On hard to detect bridging Fault,	Annals of DAAAM for 2009 & Proceedings of 20th DAAAM International Symposium, Intelligent Manufacturing & Automation: Theory, Practice & Education, Vol. 20, No. 1, ISSN 1726-9679, ISBN 978-3-901509-70-4, pp. 0681-0682, Vienna, Austria, 2009 (proceeding indexat ISI: WOS:000282335600341)	2009	6	5.42	(proceeding indexat ISI: WOS:000282335600341) 1)
29	FAGARASAN, I., S. St. ILIESCU, C. SOARE, D. ILISIU, F. BILIBOACA, N. ARGHIRA,	Modelling of Generation Units for Power System Control,	Annals of DAAAM for 2009 & Proceedings of 20th DAAAM International Symposium, Intelligent Manufacturing & Automation: Theory, Practice & Education, Vol. 20, No. 1, ISSN 1726-9679, ISBN 978-3-901509-70-4, pp. 1383-1384, Vienna, Austria, 2009 (proceeding indexat ISI: WOS:000282335600692)	2009	6	5.42	(proceeding indexat ISI: WOS:000282335600692) 2)
30	COSTINAS S., I. DIACONESCU, I. FAGARASAN,	Wind Power Plant Condition Monitoring,	Proceedings of the 3rd International Conference on Energy Planning, Energy Saving, Environmental Education (EPES'09) Spain, 1st-3rd July, 2009, ISSN: 1790-5095, ISBN: 978-960-474-093-2, pp. 624-174 (proceeding indexat ISI: WOS:000268805800008)	2009	3	10.83	(proceeding indexat ISI: WOS:000268805800008) 8)
31	BUCUR I., Ioana FAGARASAN, C. POPESCU, C.A. BOIANGIU, G. CULEA -	On K-LUT Based FPGA Optimum Delay and Optimal Area Mapping,	Proceedings of de 10th WSEAS International Conference on Mathematic and Computational Methods in Science and Engineering (MACMSE'08), ISBN 978-960-474-019-2, ISSN 1790-2769, pp 137-142, noiembrie 2008, Bucuresti (proceeding indexat ISI: WOS:000262436800035)	2008	5	6.5	(proceeding indexat ISI: WOS:000262436800035) 5)
32	FAGARASAN, I., S. St. ILIESCU,	Parity Equations for Fault Detection and Isolation,	Proceedings of the International Conference on Automation, Quality and Testing Robotics, AQTR2008, THETA '16, Tome 1, ISBN 978-1-4244-2576-1, IEEE catalog Number CFP08AQTR-PRT, pp. 99-103, 2008. (proceeding indexat ISI: WOS:000259079700013, SCOPUS 73564)	2008	2	16.25	(proceeding indexat ISI: WOS:000259079700013, SCOPUS 73564) 3, SCOPUS 73564)
33	ILIESCU, S. St., Ioana FAGARASAN,	Modern Approaches in Power System Control,	Proceedings of the International Conference on Automation, Quality and Testing Robotics, AQTR 2008, THETA '16, Tome 1, ISBN 978-1-4244-2576-1, IEEE catalog Number CFP08AQTR-PRT, pp. 41-44, 2008. (proceeding indexat ISI: WOS:000259079700002, SCOPUS 73564-2 citari),	2008	2	16.25	(proceeding indexat ISI: WOS:000259079700002, SCOPUS 73564-2 citari), 2, SCOPUS 73564-2
34	FAGARASAN, I., S. St. ILIESCU,	Fault Detection and Diagnosis of Technical Systems,	Proceedings of the 9th WSEAS International Conference on Automation and Information (ICAI' 08), ISBN 978-960-6766-77-0; ISSN 1790-5117, pp. 446-453, Bucharest, 2008. (proceeding indexat ISI: WOS:000258497000074)	2008	2	16.25	(proceeding indexat ISI: WOS:000258497000074) 4)

nr crt	Autori	titlul articol	Publicatie	Anul	nr. de autori (ni)	kpi	indexare
35	D. ANDONE, I. FĂGĂRĂȘAN, M. DOBRESCU,	Advanced Control of a Steam Generator,	The 3rd International IEEE Conference "Intelligent Systems", September 2006, London, United Kingdom, ISBN 978-1-4244-0195-6, pp. 332-337, 2006 (proceeding indexat ISI: WOS:000244714800061, SCOPUS 72382 - 4 citati)	2006	3	10.83	(proceeding indexat ISI: WOS:000244714800061, SCOPUS 72382 - 4 citati)
36	FĂGĂRĂȘAN, I., D. ANDONE, S. St. ILIESCU, S. BARBULEA,	Model-Based Fault Tolerant Control with Application to Heat-Exchangers,	the 10th World Multiconference on Systemics, Cybernetics and Informatics (WMSCI 2006) Orlando, USA, July, Proceeding, Vol. IV, ISBN: 978-980-6560-69-7, pp. 357-360, 2006 (proceeding indexat ISI: WOS:000251937800068, SCOPUS 93098)	2006	4	8.13	(proceeding indexat ISI: WOS:000251937800068, SCOPUS 93098)
37	D. ANDONE, I. FĂGĂRĂȘAN, A. HOSSU, D. MERZEANU,	Advanced Control System for Nonlinear Processes,	the 10th World Multiconference on Systemics, Cybernetics and Informatics (WMSCI 2006) Orlando, USA, July, Proceeding, Vol. III, ISBN: 978-980-6560-68-0, pp. 336-340, 2006, (proceeding indexat ISI: WOS:000251937300075, SCOPUS: 93097)	2006	4	8.13	(proceeding indexat ISI: WOS:000251937300075, SCOPUS: 93097)
38	Lesecq, S., Gentil, S., Taleb, S., Făgărășan, I.	Diagnostic Decision Algorithm Based on Spectral Analysis and Model Validity,	International Conference on Control Applications, Toronto, Canada, ISBN 0-7803-9353-8, pp. 1648-53, August, 2005 (proceeding indexat ISI/INSPEC: WOS:000232978000279, MIN XX2005-01833)	2005	4	8.13	(proceeding indexat ISI/INSPEC: WOS:000232978000279, MIN XX2005-01833)
39	Oltean V. E., Iliescu, S. St., Arsene P., Făgărășan, I., Barbulea S.	Some Aspects Concerning the Stability Evaluation in a Class of Hybrid Control Systems,	SCI 2002 / ISAS 2002, vol. VI, Process Control, pp. 347-352, Florida, USA, 2002. . . (proceeding indexat ISI/INSPEC: WOS:000178906600064; MIN XX2003-02516)	2002	5	6.5	(proceeding indexat ISI/INSPEC: WOS:000178906600064; MIN XX2003-02516)
40	Făgărășan, I., Ploix, S., Gentil, S. -	Bounding Approach for Fault Detection and Diagnosis,	Preprints of 9th IFAC Symposium on Large Scale Systems, LSS'2001, ISSN: 0962-9505; ISBN: 0-08-043691-9, pp. 397-402, Bucharest, 2001. . . (proceeding indexat ISI/INSPEC: WOS:000180832900058, MIN: XX2001-02126)	2001	3	10.83	(proceeding indexat ISI/INSPEC: WOS:000180832900058, MIN: XX2001-02126)
41	Arsene, P., Făgărășan, I., Barbulea, S., Iliescu, S. St.	Observers Approach Regarding Thermal Processes Fault Detection,	Preprints of 9th IFAC Symposium on Large Scale Systems, LSS'2001, ISSN: 0962-9505; ISBN: 0-08-043691-9, pp. 392-396, Bucharest, 2001. (proceeding indexat ISI/INSPEC: WOS:000180832900057, MIN: XX2001-02126)	2001	4	8.13	(proceeding indexat ISI/INSPEC: WOS:000180832900057, MIN: XX2001-02126)

nr crt	Autori	titlul articol	Publicatie	Anul	nr. de autori (ni)	kpi	indexare
42	Iliescu S.St., Soare C., Zdravcovici P., Făgărășan, I.	The Pursuit Problem of Control Systems with Relay Action,	IFAC Conference on "System Structure and Control", ISBN 0-08-043023-6, pp. 461-664, București, 1998 (proceeding indexat ISI/INSPEC: WOS:000079976400067, MIN: XX1998-02427)	1998	4	8.13	(proceeding indexat ISI/INSPEC: WOS:000079976400067, MIN: XX1998-02427)

https://apps.webofknowledge.com/full_record.do?product=WOS&search_mode=DaisyOneClickSearch&qid=3&SID=D3Y7IzDaTuir5SK5d6t&page=1&doc=53&cacheurlFromRightClick=no

Factor de impact cumulat articole ISI	10.5 total	331.06	A2.1
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Tipul activităților	Observații (activitatea din întreaga cariera)	Categoriile și restricții	Nr.crt	Subategorii	Indicatori (kpi)
articole (in extenso) in volumele unor manifestări științifice indexate BDI	Volumele unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate, indexate în Baze de Date Internaționale – BDI*		1.5	A2.2	20/nr.de autori

1	Nichiforov, C., Stamatescu, G., Stamatescu, I., Făgărășan, I., Iliescu, S.S.	Intelligent Load Forecasting for Building Energy Management Systems	IEEE International Conference on Control and Automation, ICCA Volume 2018-June, 21 August 2018, Pages 896-901, Code 138930; https://ieeexplore.ieee.org/document/8444311	2018	5	4	SCOPUS: 138930 /IEEEXplore	https://arxiv.org/abs/1605.06903
2	Stamatescu G., Stamatescu I., Arghira N., Calofir V., Făgărășan I.	Building Cyber-Physical Energy Systems	5th International workshop on Cyber-Physical Systems (IWOCPS), Nr. pagini 4, BDI: arXiv, https://arxiv.org/abs/1605.06903	2016	5	4	DBPL	https://arxiv.org/abs/1605.06903
3	Stamatescu, I., Stamatescu, G., Arghira, N., Făgărășan, I., Iliescu, S.S.	Fuzzy decision support system for solar tracking optimization	2014 International Conference on Development and Application Systems, DAS 2014 - Conference Proceedings 6842420, pp. 16-20; https://ieeexplore.ieee.org/document/6842420	2014	5	4	SCOPUS: 106437 /IEEEXplore	https://arxiv.org/abs/1605.06903
4	Nicoleta Arghira, Ioana Făgărășan, Grigore Stamatescu, Sergiu Stelian Iliescu, Iulia Stamatescu, Vasile Calofir.	Some Aspects concerning the Cyber-Physical Systems Approach in Power Systems.	3th International workshop on Cyber-Physical Systems (IWOCPS), Nr. pagini 4, BDI: arXiv, https://arxiv.org/abs/1605.06903	2014	6	3.33	DBPL	https://arxiv.org/abs/1605.06903

nr crt	Autori	titlul articol	Publicatie	Anul	nr. de autori (ni)	kpi	indexare
5	Costianu, D.R., Iliescu, S.S., Arghira, N., Fagarasan, I., Dumitru, I.	Distributed generation influence on smart distribution grids	IFAC Proceedings Volumes (IFAC-PapersOnline), 2 (PART 1), pp. 54-57, ISSN: 14746670 ISBN: 978-390282332-8, DOI: 10.3182/20130522-3-RO-4035.00038, 2013 (proceeding indexat SCOPUS Code 100486)	2013	5	4	(proceeding indexat SCOPUS Code 100486) https://www.scopus.com/record/display.uri?eid=2-s2.0-84886709896&origin=resultslist&sort=plf-
7	Vasile Calofir, V. Tanasa, I. Fagarasan, I. Stamatescu, N.Arghira, G. Stamatescu	A backstepping control method for a nonlinear proces - two coupled-tanks,	Proceedings of the 6th Intl. Conf. on Energy and Environment (CIEM), Bucharest, Romania, November 7-8, 2013, 8 pag. (DBLP)	2013	6	3.33	(DBLP, GoogleScholar) https://arxiv.org/abs/1605.06903
8	Iulia Dumitru, Ioana Fagarasan, Sergiu Iliescu, Hadi Said Yanis, Stephane Ploix,	Increasing energy efficiency in data centers using energy management,	2011 IEEE/ACM International Conference on Green Computing and Communications, GreenCom 2011; Chengdu, Sichuan, China; 4 - 5 August 2011; art. no. 6061320, pp. 159-165, ISBN: 978-076954466-3, DOI: 10.1109/GreenCom.2011.53, 2011 (proceeding indexat SCOPUS 87339); https://ieeexplore.ieee.org/document/6061320	2011	5	4	SCOPUS: 87339/ IEEEExplore lay.uri?eid=2-s2.0-81255205346&origin=resultslist&sort=plf- f&src=s&st1=fagarasan&st2=ioana&nlp=1&nlr=20&nls=afprfm-t&sid=c603caa0f23bbab1eda97c17a https://www.scopus.com/record/display.uri?eid=2-s2.0-79960009172&origin=resultslist&sort=plf- f&src=s&st1=fagarasan&st2=ioana&nlp=1&nlr=20&nls=afprfm-t&sid=c603caa0f23bbab1eda97c17a
9	Ana Maria VLADU, Sergiu Stelian ILIESCU, Ioana FAGARASAN,	Product Defect Prediction Model,	Proceedings of the 6th IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI 2011), Print ISBN: 978-1-4244-9108-7, Digital Object Identifier: 10.1109/SACI.2011.5873084, art. no. 5873055, pp. 499-504, May 19-21, 2011, Timisoara, Romania (proceeding indexat SCOPUS 85356) https://ieeexplore.ieee.org/document/5873055	2011	3	6.67	SCOPUS: 85356/ IEEEExplore
10	Iulia Dumitru, Grigore Stamatescu, Ioana Fagarasan, Segiu Stelian Iliescu,	Dynamic Management Techniques for Increasing Energy Efficiency within a Data Center,	UNITE Symposium, 27-28 June, Bucharest, 2011, Ed Printech, ISSN:2247-6040 , pg. 129-133, 2011 , https://arxiv.org/abs/1305.6203	2011	4	5	(DBLP, GoogleScholar) https://arxiv.org/abs/1305.6203 https://www.scopus.com/record/display.uri?eid=2-s2.0-84901927656&origin=resultslist&sort=plf- f&src=s&st1=fagarasan&st2=ioana&nlp=1&nlr=20&nls=afprfm-t&sid=c603caa0f23bbab1eda97c17a
15	Arghira, Nicoleta, Fagarasan, Ioana, Soare, Calin, Iliescu, Sergiu Stelian,	Generation units models for load dispatch simulator,	Proceedings on the IFAC Large Scale Systems: Theory and Application, ISBN: 978-2-915-913-26-2, pp436-441, Lille, 2010	2010	4	5	SCOPUS:105481 https://www.scopus.com/record/display.uri?eid=2-s2.0-84901927656&origin=resultslist&sort=plf- f&src=s&st1=fagarasan&st2=ioana&nlp=1&nlr=20&nls=afprfm-t&sid=c603caa0f23bbab1eda97c17a b2fc2f8sot=anl&sdt=aut&sl=39&s=A-U-ID%28%22Fagarasan%2c+Ioana+l.%22+6503904449%29&relpos=33&citecnt=1&searchTerm=

nr crt	Autori	titlul articol	Publicatie	Anul	nr. de autori (ni)	kpi	indexare
18	Iulia Dumitru, Ioana Fagarasan, Sergiu Iliescu,	Process Control Simulator for Components of a Complex Power System,	Proceedings on the IFAC Large Scale Systems: Theory and Application, ISBN: 978-2-915-913-26-2, pp 430-434, 11-14 July, Lille, 2010	2010	3	6.67	SCOPUS: 105481
19	Iulia Dumitru, Nicoleta Arghira, Ioana Fagarasan, Sergiu Iliescu,	A fuzzy PLC Control System for a Servomechanism,	Proceedings on the IFAC Workshop on Intelligent Control Systems WICS 2010, pg. 115-120, ISSN: 14746670 ISBN: 978-390266189-0 29 september-2 October, Sinaia, 2010 (proceeding indexat SCOPUS 86089)	2010	4	5	(proceeding indexat SCOPUS 86089)
21	Daniela ANDONE, Ioana FAGĂRĂȘAN, S.St. ILIESCU, A. HOSSU	Evolved Fuzzy Control System for a Drum Boiler –	Proceedings of 1st IFAC Workshop on Convergence of Information Technologies and Control Methods with Power Plants and Power Systems, ICPS'07, iulie 2007, Cluj Napoca, Romania, ISSN: 14746670 ISBN: 978-390266138-8, pp.141-146, 2007; (proceeding indexat SCOPUS 85814)	2007	4	5	proceeding indexat SCOPUS 85814

nr crt	Autori	titlul articol	Publicatie	Anul	nr. de autori (ni)	kpi	indexare
24	FĂGĂRĂȘAN, I., D. ANDONE, S. St. ILIESCU, S. BARBULEA -	Model-Based Fault Detection And Isolation Of Thermal Processes,	The 1st International IFAC Workshop on Energy Saving Control in Plants and Buildings, WS ESC'06, Bansko, Bulgaria, October 2006, ISBN-10 954-9641-47-3, ISBN-13 978-954-9641-47-9, pp 99-104, 2006 (SCOPUS: 85982)	2006	4	5	SCOPUS: 85982
25	D. ANDONE, I. FĂGĂRĂȘAN, S. St. ILIESCU,	Advanced Control Based On Fuzzy Model,	The 1st International IFAC Workshop on Energy Saving Control in Plants and Buildings, WS ESC'06, Bansko, Bulgaria, October, 2006, ISBN-10 954-9641-47-3, ISBN-13 978-954-9641-47-9, pp 63-68, 2006 (SCOPUS: 85982)	2006	3	6.67	SCOPUS: 85982
26	S. Leseq ; S. Gentil ; S. Taleb ; I. Fagarasan	Diagnostic decision algorithm based on spectral analysis and model validity	Proceedings of 2005 IEEE Conference on Control Applications, 2005. CCA 2005. Year: 2005 Pages: 1648 - 1653. https://ieeexplore.ieee.org/document/1507369	2005	4	5	IEEE Xplore
27	Fagarasan, I., Taleb, S., Leseq, S., Gentil, S., Stuecher, R.	Signal-Based Diagnosis Of Torsional Vibration Of A Main Drive Of A Hot Rolling Mill,	11th IFAC Symposium on Automation in Mining, Mineral and Metal Processing, MMM'2004, Nancy, France, pg. 6, 2004.	2004	5	4	SCOPUS 145272
28	Barbulea, S., Serbanescu, A., Arsene, P., Făgărășan, I., -	Robust Fault Detection And Isolation via Unknown Input Observers,	4th IFAC Symposium on Fault Detection Supervision on Safety for Technical Processes, SAFEPROCESS'2000, ISBN 0-08-043250-6, pp. 370-373, Budapest, 2000. https://www.sciencedirect.com/science/article/pii/S1474667017373871	2000	4	5	ScienceDirect
70					total	85.67	A2.2

Activitatea de cercetare

Tipul activităților	Observatii (activitatea din intreaga cariera)	Categori si restrictii	Nr.crt	Subcategori	Indicatori (kpi)	
proprietate intelectuala	Proprietate industrială :Brevete de inventie (sau echivalente: modele de utilitate, topografii ale unui produs semiconductor, desene și modele)		A 2.3.1.	internationale	35/nr.de autori	
			A 2.3.2.	nationale	25/nr.de autori	

nr crt	Autori	titlul	Publicatie	Anul	nr. de autori ai publicati ei (ni)	kpi
1	Fagarasan Ioana, Iliescu Sergiu Stelian, Stamatescu Grigore, Dumitru Iulia, Arghira Nicoleta	Simulator Intelligent pentru Procese Industriale/ SMART SIMULATOR FOR INDUSTRIAL PROCESSES	Brevet de inventie OSIM nr 126447 B1, 30.10.2018/ Derwent Primary Accession No.: 2012C71199 , https://apps.who.int/medicinedocs/docid/581199/ o?colName=DIIDW&recordID=2012C71199&log_event=no&search_mode=GeneralSearch&qid=58&log_event=yes&product=UA&SID=E3ZEOV62h6xm2gJvMlm&viewType=fullRecord&doc=4&page=1#searchErrorMessage	2018	5	5

total		5	A 2.3.2.
Factor de impact brevet		0.5	

Tipul activităților	Observatii (activitatea din întreaga cariera)	Categorii și restricții	Nr.crt	Subcategoriile	Indicatori (kpi)	
					20*ani de desfasurare	10*ani de desfasurare
granturi/proiecte castigate prin competitie		Director/responsabil	A2.4.1.1	internationale	20*ani de desfasurare	10*ani de desfasurare
			A2.4.1.2	nationale	10*ani de desfasurare	4*ani de desfasurare
		membru in echipa	A2.4.2.1	internationale	4*ani de desfasurare	2*ani de desfasurare
			A2.4.2.2	nationale	2*ani de desfasurare	

Nr. crt	Grant	Director (10) /Membru (2)	int(2)/nat (1)	perioada (ani)	kpi	Subcategorii
1	(2016-2018) Contract UEFISCDI nr: 72BG/2016, PN-III-P2-2.1-BG-2016-0234, Sistem Avansat de conducere a proceselor pentru Specializare Inteligenta in Domeniul energetic (ASID) Director proiect: Ioana Făgărășan , Valoare RON: 459.999	10	1	1.5	15	A2.4.1.2
2	(2009-2007) Contract de cercetare AMCSIT 2007, PNCDI II, Programul 5, 85/25.09.2007 : Inovare, Sisteme modulare de simulare a conducerii automate a unor procese industriale pentru dotarea platformelor educationale multifunctionale, Coordonator ASTECH, Director : S. TRUSCA, Partener : UPB, Director I. FAGARASAN : Membrii echipa UPB-All : S. St. ILIESCU, D. MIHOC, I. BUCUR, D. PUPĂZĂ, S. CĂLIN; Valoare RON: 771.176	10	1	3	30	A2.4.1.2
3	(2006-2005) Contract de cercetare CNCSIS, AT56 / 27692/2005; 139/2006, Sistem integrat de predare, învățare și testare asistate de calculator în detecția și diagnoza defectelor în instalațiile industriale, Director proiect I. FĂGĂRĂȘAN ; Membrii echipa UPB-All: D. PUPĂZĂ, etc. Valoare RON: 28.000	10	1	2	20	A2.4.1.2
4	(2008-2006) Contract de cercetare MEC-UEFISCSU 15031/07.04.2006, CEEEX - MODUL 2; Cod proiect 43, Metode de control tolerant la defect implementabile in sisteme distribuite, Director proiect Ioana FĂGĂRĂȘAN , Membrii echipa UPB-All: D. ANDONE Valoare RON: 100.000	10	1	3	30	A2.4.1.2

Nr.crt	Grant	Director (10) /Membri (2)	int(2)/nat (1)	perioada (ani)	kpi	Subcategorii
TOTAL						
95						
A2.4.1.2						
1	(2017) PN-III-P2-2.1-CI-2017-0376 Titlu proiect: Sistem Inteligent de Incarcare pentru Vehicule Electrice (IEVSE) Director proiect: SL.dr.ing. Iulia STAMATESCU, Valoare RON: 50.000 lei	2	1	0.5	1	A2.4.2.2
2	(2017) PN-III-P2-2.1-CI-2017-0484 Titlu proiect: Gateway multi-protocol pentru automatizare deschisa in cladiri inteligente (OPENBMS) Director proiect: SL.dr.ing. Grigore STAMATESCU, Valoare RON: 50.000 lei	2	1	0.5	1	A2.4.2.2
3	(2016-2018) Contract UEFISCDI nr: 82BG/2016, PN-III-P2-2.1-BG-2016-0387 Sistem de Automatizare si Telemetrie Eficient energetic pentru managementul Resurselor in Agricultura de precizie (SA-TERRA), Director proiect: Prof.dr.ing. Sergiu Stelian Iliescu, Valoare RON: 459.999	2	1	1.5	3	A2.4.2.2
4	(2016-2018) PNCDI III - PTE-INOVAȚION-Solutie pentru integrarea eficienta a centralelor eoliene si fotovoltaice in sistemul energetic national, Val UPB 200000 RON, partener UPB, Director proiect Radu Dobrescu	2	1	2	4	A2.4.2.2
5	(2008-2006) Contract de cercetare AMCSIT 311/13.09.2006, CEEX - MODUL 1 ; Urmarirea comportării construcțiilor hidrotehnice din România cu ajutorul unei platforme tehnologice informatice naționale, Director proiect UTCB - Anghel CONSTANTINESCU; Responsabil stiintific proiect - Sergiu St. ILIESCU, UPB; Membrii echipa UPB-All: I. FĂGĂRĂȘAN, S. CĂLIN, D. MIHOC, D. PUPĂZĂ, Valoare RON: 250.000	2	1	3	6	A2.4.2.2

Nr. crt	Grant	Director (10) /Membri (2)	int(2)/ nat (1)	perioada (ani)	kpi	Subcategorii
6	(2007-2006) Contract de cercetare AMCSIT 174/20.06.2006, CEEEX - MODUL 1, Cercetări teoretice și experimentale asupra sistemelor expert de exploatare optimă a proceselor tehnologice de epurare a apelor uzate din stațiile de epurare orășenești și industriale; Director proiect UPB-CCEPM, Dan ROBESCU, Membrii echipa UPB-Ali: S. St. ILIESCU, I. CATANĂ, I. FĂGĂRĂȘAN, V.M. PANDURU	2	1	2	4	A2.4.2.2
7	(2007-2005) Contract de cercetare MEC-UEFISCU 2969/11.10.2005, CEEEX - MODUL 2; Cod proiect 77, Sistem de control evoluat integrabil într-un sistem distribuit de automatizare a proceselor energetice, Director proiect Daniela ANDONE; Membrii echipa UPB-Ali: Ioana FĂGĂRĂȘAN, M. DOBRESCU, etc	2	1	3	6	A2.4.2.2
8	(2007-2005) Contract de cercetare MEC-UEFISCU 2969/11.10.2005, CEEEX - MODUL 2; Cod proiect 77, Sistem de control evoluat integrabil într-un sistem distribuit de automatizare a proceselor energetice, Director proiect Daniela ANDONE; Membrii echipa UPB-Ali: Ioana FĂGĂRĂȘAN, M. DOBRESCU, etc	2	1	3	6	A2.4.2.2
9	(2004-2002) Contract de cercetare CNCSU nr 33380/2002-2004, cod CNCSIS 492, tema nr.12, 1/2002: Sisteme de detectie și localizare a defectelor pentru procese industriale, Director program Conf. dr. ing. Patricia Arsene	2	1	3	6	A2.4.2.2
10	(2002-2001) Contract de cercetare CNCSU nr.37124/2001, tema nr.639 "Sisteme de integrate de comanda și măsură cu microcontrolere pentru procese electrice " Director program Prof. dr. ing. Dan Mihoc.	2	1	2	4	A2.4.2.2
11	(2001-2000) Contract de cercetare MEC nr.538/2000 prin AMCSIT, "Sistem de programe de identificare automata personala utilizand tehnologii avansate pe baza de cartele inteligente", Director program Prof. dr. ing. V. Sgârciu	2	1	2	4	A2.4.2.2
12	(2001-2000) Contract de cercetare ANSTI, B6/2000, Sistem de programe utilizate in domeniul serviciilor publice si private folosind tehnologii avansate bazate pe cartele inteligente, Director program Prof. dr. ing. V. Sgârciu	2	1	2	4	A2.4.2.2
13	(2001-2000) Contract de cercetare ANSTI, A59/2000, Elaborarea arhitecturilor de sisteme integrate pentru managementul cladirilor, Director program Prof. dr. ing. V. Sgârciu	2	1	2	4	A2.4.2.2

Nr. crt	Grant	Director (10) /Membri (2)	int(2)/nat (1)	perioada (ani)	kpi	Subcategorie
14	(2001-1999) Contract de cercetare CNCIS 33084/1999 si 37124/2000 Conducerea proceselor industriale printr-un sistem informatic organizat pe trei nivele, Director program Prof. dr. ing. Sergiu Stelian Iliescu	2	1	3	6	A2.4.2.2
15	(2001-1999) Contract ANSTI 883/96, act aditional 1119/98 si 67/99 - B4/1999- Sistem informatic bazat pe arhitectura pe trei nivele destinat conducerii proceselor industriale, continuare tema A11/2000, A11/2001, Director program Prof. dr. ing. Sergiu Stelian Iliescu	2	1	3	6	A2.4.2.2
16	(2000-1999) Contract de cercetare ANSTI, B1/1999, Structuri si arhitecturi dedicate pentru implementarea conceptului de Building Management System, Director program Prof. dr. ing. V. Sgarciu	2	1	2	4	A2.4.2.2
17	Pn16. (1998) Contract de cercetare ANSTI, A.28/1998 - Supravegherea subsistemului intern de comunicatii dintr-o cladire inteligenta utilizand tehnici de detectie si diagnoza a incidentelor, Director program Prof. dr. ing. V. Sgarciu	2	1	1	2	A2.4.2.2
18	(1999-1998) Contract de cercetare CNCUSU nr.32/ 1998, tema nr.86/741 Sisteme de conducere cu microprocesor (automate programabile) a functiilor de baza si de protectie dintr-o statie electrica de transformare si de interconexiune Director program Prof. dr. ing. Dan Mihoc	2	1	2	4	A2.4.2.2
19	(1998-1997) Contract CNCUSU nr.1529, 1997-1998, Modelarea si simularea functionarii schimbatoarelor de caldura, Director program Prof. dr. ing. Sergiu Stelian Iliescu	2	1	2	4	A2.4.2.2
20	(1997-1996) Contract MI nr.5001 tema B55, faza 1/ 1996, continuare Contract CNCUSU nr.1528, faza 1/ 1997 - Strategii de conducere a proceselor termice, Director program Prof. dr. ing. Sergiu Stelian Iliescu	2	1	2	4	A2.4.2.2
21	(1996-1995) Contract Min. Invatamantului nr.4001, A89, faza 1/1995, faza 2/1996 - Sistem de protectie numerica in statii electrice, Director program Prof. dr. ing. Sergiu Stelian Iliescu	2	1	2	4	A2.4.2.2
TOTAL					87	A2.4.2.2
1	(2004-2002) Proiect de cercetare european finantat de Comisia Europeana in FP5, EU-IST-2000-30009/ (2000-2004) MAGIC, Multi Agents Based Diagnostic Data Acquisition and Management in Complex Systems, 2002-2004, Consorțiu format din : Universitatea Duisburg-Essen (Germania), Universitatea Karlsruhe (Germania), Laboratorul de Automatică din Grenoble (Franța), SMS Demag AG (Germania) și SATE srl (Italia)	2	2	3	12	A2.4.2.1

Nr. crt	Grant	Director (10)/Membri (2)	int(2)/nat (1)	perioada (ani)	kpi	Subcategorii
2	(2001-1997) Contract de cooperare internațională MCT 883/96, B1/1997 - Modelarea asistată de calculator a unor procese industriale, continuare tema A7/1998, A9/1999, A7/2000, A10/2001, Director program UPB Prof. dr. ing. Sergiu Stelian Iliescu, Director program TUD: Prof.dr.ing. Rolf Isermann.	2	2	5	20	A2.4.2.1
TOTAL					32	A2.4.2.1

Recunoastere si impactul activitatii

Tip activitate	Observatii (activitatea din intreaga cariera)	Subcateg orii		Indicatori (Kpi)	IF
citari in carti, reviste si volumele unor manifestari stiintifice		A3.1.1	carti, ISI	8/nr aut art citata	461.76
		A3.1.2	BDI	4/nr aut art citata	
membri in colectivele de redactie sau comitete stiintifice ale revistelor, chair, co-chair sau membri in comitetele de organizare ale manifestari stiintifice, internationale indexate ISI	Punctaj unic pentru fiecare activitate	A3.2	ISI	10	120

TOTAL	581.76
Minim	100

A3.2 Membru in colectivele de redactie sau comitete stiintifice ale revistelor, organizator de manifestari stiintifice, indexate ISI - 10 pct

Nr.	Denumire	Punctaj
1	National Organizing Committee of Conference - IFAC "Large Scale Systems: Theory and Applications", Bucuresti, Romania, 2001 - Organising Committee	10
2	Member in International Programme Committee for DAAAM 2010	10
3	Member in International Programme Committee for DAAAM 2011	10
4	Co-chairmen Special Session SS3 "Automation, Intelligent Control and Predictive Maintenance for Distributed Renewable Energy Systems" in cadrul conferintei ACEMP-OPTIM-ELECTROMOTION Joint Conference, Side, Turcia, 1 - 5 Septembrie 2015; http://www.acemp-melu.com/News/21_special-session	10
5	Member in International Programme Committee, International Conference on Automation, Quality and Testing, Robotics, AQTR 2016, International Programme Committee	10
6	2017 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS) - Coordinator of the Special Stream in Smart Buildings and Smart Cities (http://idaacs.net/2017/committees)	10
7	Member in International Programme Committee, International Conference on Automation, Quality and Testing, Robotics, AQTR 2018,	10
8	Organizator sesiune speciala, Special Stream in Smart Buildings and Smart Cities, cu G. Stamatescu si D. Popescu, The 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS'2017), September 21-23, 2015 Bucuresti, Romania http://www.idaacs.net/2017/SS_SBSC	10
9	Membru in comitetul de organizare pentru a 9-a IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS'2017), Septembrie 21-23, 2015 Bucuresti, Romania http://idaacs.net/2017/committees	10
10	CSCS21: The 21st International Conference on Control Systems and Computer Science 29-31 MAY 2017, Faculty of Automatic Control and Computers, University Politehnica of Bucharest, Romania, Co-chairmen International Workshop on Advance Control in Smart Grid (ACSG-2019) https://cscs21.hpc.pub.ro/workshops/	10
11	Guest Editor, Special Issue: Sensing and Data-Driven Control for Smart Building and Smart City Systems, cu G. Stamatescu si A. Sachenko, Hindawi Journal of Sensors, ISSN: 1687-725X (Print), ISSN: 1687-7268 (Online), DOI: 10.1155/9161 - ISI Q2 https://www.hindawi.com/journals/js/si/152038/	10
12	CSCS22: The 22st International Conference on Control Systems and Computer Science 28-30 MAY 2019, Faculty of Automatic Control and Computers, University Politehnica of Bucharest, Romania, Co-chairmen International Workshop on Advance Control in Smart Grid (ACSG-2019) https://cscs22.hpc.pub.ro/workshops/	10

TOTAL 120

Nr.	Referinta bibliografica a articolului care este citat / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citate ISI	citate BDI
			TOTAL CITARI					
R1	FĂGĂRAȘAN Ioana, PLOIX, S., GENTIL, S. - Causal Fault Detection and Isolation Based on Set-membership Approach, Automatica, Volume 40, Issue 12, December 2004, ISSN 0005-1098, pp. 2099-2110, 2004.	2004			3	234.82	43	28
0	Interval observer-based fault detectability analysis using mixed set-invariance theory and sensitivity analysis approach							
1	By: Pourasghar, Masoud; Puig, Vicenc; Ocampo-Martinez, Carlos INTERNATIONAL JOURNAL OF SYSTEMS SCIENCE Volume: 50 Issue: 3 Pages: 495-516 Published: FEB 17 2019, WOS:000458671100004	2019	8	2		5.34	1	
2	Zonotopic Set-Membership State Estimation for Discrete-Time Descriptor LPV Systems Wang, Y ; Wang, ZH; Puig, V; Cembrano, G IEEE TRANSACTIONS ON AUTOMATIC CONTROL, Volume: 64 Issue: 5 Pages: 2092-2099 DOI: 10.1109/TAC.2018.2863659, Published: MAY 2019 ,ISSN: 0018-9286, eISSN: 1558-2523 WOS:000466226500027	2019	8			5.34		
3	Modeling and Solving of Uncertain Process Abnormality Diagnosis Problem By: Hou, Shiwang; Wen, Haijun ENERGIES Volume: 12 Issue: 8 Article Number: 1580 Published: APR 2 2019, WOS:000467762600173	2019	8	2		5.34	1	
4	Experimental interval models for the robust Fault Detection of Aircraft Air Data Sensors By: Fravolini, Mario L.; Napolitano, Marcello R.; Del Core, Giuseppe; CONTROL ENGINEERING PRACTICE Volume: 78 Pages: 196-212 Published: SEP 2018; WOS:000442974900017	2018	8	2		5.34	1	
5	Interval Fuzzy Model for Robust Aircraft IMU Sensors Fault Detection By: Crispoltoni, Michele; Fravolini, Mario Luca; Baizano, Fabio; SENSORS Volume: 18 Issue: 8 Article Number: 2488 Published: AUG 2018 WOS:000445712400088	2018	8	2		5.34	1	
6	A survey on set-membership filtering for networked control systems under communication protocols By: Li, Xuerong; Dong, Hongli; Han, Fei; SYSTEMS SCIENCE & CONTROL ENGINEERING Volume: 6 Issue: 1 Pages: 293-303 Published: 2018 WOS:000458795000027	2018	8	1		2.67	1	
7	A Robust Fault Detection Method using a Zonotopic Kaucher Set-membership Approach By: Schwab, Stefan; Puig, Vicenc; Hohmann, Soeren Conference: 10th International-Federation-of-Automatic-Control (IFAC) Symposium on Fault Detection, Supervision and Safety for Technical Processes (SAFEPROCESS) Location: Warsaw, POLAND Date: AUG 29-31, 2018 WOS:000447016900074	2018	8	1		2.67	1	
8	A bounded-error approach to simultaneous state and actuator fault estimation for a class of nonlinear systems By: Buciakowski, Mariusz; Witczak, Marcin; Puig, Vicenc; JOURNAL OF PROCESS CONTROL Volume: 52 Pages: 14-25 Published: APR 2017 WOS:000399849400003	2017	8	2		5.34	1	

Nr.	Referinta bibliografica a articolului care este citat i / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
9	Distributed Zonotopic Set-Membership State Estimation based on Optimization Methods with Partial Projection By: Wang, Ye; Alamo, Teodoro; Puig, Vicenc; Conference: 20th World Congress of the International-Federation-of-Automatic-Control (IFAC) Location: Toulouse, FRANCE Date: JUL 09-14, 2017 IFAC PAPERSONLINE Volume: 50 Issue: 1 Pages: 4039-4044 Published: 2017 WOS:000423364800169	2017	8			2.67		1
10	A Set Based Probabilistic Approach to Intrusion Design for Optimal Fault Detection By: Rostampour, Vahab; Ferrari, Riccardo; Keviczky, Tamas Book Group Author(s): IEEE Conference: American Control Conference (ACC) Location: Seattle, WA Date: MAY 24-26, 2017 2017 AMERICAN CONTROL CONFERENCE (ACC) Book Series: Proceedings of the American Control Conference Pages: 5422-5429 Published: 2017 WOS:000427033305080	2017	8			2.67		1
11	Title: Ellipsoidal state-bounding-based set-membership estimation for linear system with unknown-but-bounded disturbances Authors: Liu, Yushuang; Zhao, Yan; Wu, Falin IET CONTROL THEORY AND APPLICATIONS Volume: 10 Issue: 4 Pages: 431-442 Published: FEB 26 2016 WOS:000370636900009	2016	8	2		5.34	1	
12	Title: Interval-based fast fault detection and identification applied to radio-navigation multipath Authors: Dreville, Vincent; Bonnfait, Philippe INTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING, Special Issue: Set-Membership Methods Applied to FDI and FTC, Volume: 30 Issue: 2 Special Issue: SI Pages: 154-172 , DOI: 10.1002/acs.2535 Published: FEB 2016 WOS:000369342100002	2016	8	2		5.34	1	
13	Title: Expectation-Maximization Approach to Fault Diagnosis With Missing Data Authors: Zhang, Kangkang; Gonzalez, Ruben; Huang, Biao; IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS Volume: 62 Issue: 2 Pages: 1231-1240 Published: FEB 2015 WOS:000347799500055	2015	8	2		5.34	1	
14	Title: An Interval NLPV Parity Equations Approach for Fault Detection and Isolation of a Wind Farm Authors: Blesa, Joaquin; Jimenez, Pedro; Rotondo, Damiano; IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS Volume: 62 Issue: 6 Pages: 3794-3805 Published: JUN 2015 WOS:000354453600049	2015	8	2		5.34	1	
15	Title: Passive robust fault detection using RBF neural modeling based on set membership identification Authors: Wei Chai, Junfei Qiao Journal: Engineering Applications of Artificial Intelligence Volume 28, February 2014, Pages 1-12 WOS:000331351200001	2014	8	2		5.34	1	
16	Title: The Diagnosis of Abnormal Assembly Quality Based on Fuzzy Relation Equations Authors: Dong-Ying Li, Gen-Bao Zhang, Meng-Qi Li, Jian Liu, and Yan-Song Cheng Journal: Advances in Mechanical Engineering Volume 2014 (2014), Article ID 437364, 9 pages. http://dx.doi.org/10.1155/2014/437364 WOS:000330762700001	2014	4			1.33		1

Nr.	Referinta bibliografica a articolului care este citat / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
17	Title: Robust FDI based on LFT BG and Relative Activity at Junction Authors: Jha, M. S.; Dauphin-Tanguy, G.; Bouamama, B. Ould Book Group Author(s): IEEE Conference: 13th European Control Conference (ECC) Location: Univ Strasbourg, Strasbourg, FRANCE Date: JUN 24-27, 2014 Sponsor(s): ICube lab; MathWorks; Groupement Rech Modeling, Anal & Control Dynam Syst; Siemens; Natl Ctr Sci Res; INRIA 2014 EUROPEAN CONTROL CONFERENCE (ECC) Pages: 938-943 Published: 2014 WOS:000349955701040	2014	8			2.67	1	
18	Title: Capturing Connectivity and Causality from Process Knowledge Authors: Yang, Fan; Duan, Ping; Shah, Sirish L.; Book Author(s): Yang, F.; Duan, P.; Shah, S.L. CAPTURING CONNECTIVITY AND CAUSALITY IN COMPLEX INDUSTRIAL PROCESSES Book Series: Springerbriefs in Applied Sciences and Technology Pages: 23-39 Published: 2014 WOS:000344917100005	2014	8			2.67	1	
19	Title: Fault diagnosis of a wind farm using interval parity equations Authors: Blesa, J., Jiménez, P., Rotondo, D., Nejari, F., Puig, V. Year the Document was Publish 2014 Source: IFAC Proceedings Volumes (IFAC-PapersOnline), Volume 19, 2014, Pages 4322-4327, ISSN: 14746670 ISBN: 978-390282362-5	2014	8			2.67	1	
20	Title: ACTUATOR FAULT DIAGNOSIS FOR FLAT SYSTEMS: A CONSTRAINT SATISFACTION APPROACH Author(s): Seydou, Ramatou; Raissi, Tarek; Zolghadri, Ali; INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND COMPUTER SCIENCE Volume: 23 Issue: 1 Pages: 171-181 Published: MAR 2013 WOS:000317725800014	2013	8	2		5.34	1	
21	Title: Statistical root cause analysis of novel faults based on digraph models Author(s): Wan, Yiming; Yang, Fan; Lv, Ning; Source: CHEMICAL ENGINEERING RESEARCH & DESIGN Volume: 91 Issue: 1 Pages: 87-99 ISSN: 0263-8762 DOI: 10.1016/j.cherd.2012.06.010 Published: JAN 2013 WOS:000315070800010	2013	8	2		5.34	1	
22	A new nonlinear set membership filter based on guaranteed bounding ellipsoid algorithm Zhou, B., Qian, K., Ma, X.-D., Dai, X.-Z. Zidonghua Xuebao/Acta Automatica Sinica Volume 39, Issue 2, February 2013, Pages 150-158, ISSN: 1874-1029	2013	4			1.33		1
23	Title: Structural Problem Reduction for Set-based Fault Diagnosis Authors: A Savchenko, P Rumschinski, S Streif, R Findeisen Preprints of the 10th IFAC International Symposium on Dynamics and Control of Process Systems The International Federation of Automatic Control December 18-20, 2013, Mumbai, India Scopus code:103236	2013	4			1.33		1

Nr.	Referinta bibliografica a articolului care este citat / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
24	Title: Detection of multiple faults with intelligent condition indices Authors: Juuso, E., Lahdelma, S. Source: 10th International Conference on Condition Monitoring and Machinery Failure Prevention Technologies 2013, CM 2013 and MFPT 2013 1, pp. 446-459	2013	4			1.33		1
25	Title: Wind detection and reconfiguration of guidance and control law for a small-scaled helicopter Authors: Piet-Lahanier, H., Siguerdidjane, H. Source: IFAC Proceedings Volumes (IFAC-PapersOnline) 2012	2012	4			1.33		1
26	Title: Inverse Inference Based on Fuzzy Relational Equations Authors: Rotshtein, Alexander P.; Rakytyanska, Hanna B. Book Author(s): Rotshtein, AP; Rakytyanska, HB FUZZY EVIDENCE IN IDENTIFICATION, FORECASTING AND DIAGNOSIS Book Series: Studies in Fuzziness and Soft Computing Volume: 275 Pages: 149-162 Published: 2012	2012	8			2.67	1	
27	Title: Robust identification and fault diagnosis based on uncertain multiple input-multiple output linear parameter varying parity equations and zonotopes Author(s): J Blesa, V Puig, J Saludes Source: Journal of Process Control Volume 22, Issue 10 / December 2012 Pages: 1890-1912 ; Published: December 2012	2012	8	2		5.34	1	
28	Title: Signed directed graph based modeling and its validation from process knowledge and process data Author(s): F Yang, SL Shah, D Xiao Source: International Journal of Applied Mathematics and Computer Science Volume 22, Number 1 / March 2012 Pages: 41-53 ISSN: 1641-876X DOI: 10.2478/v10006-012-0003-z; Published: March 2012	2012	8	2		5.34	1	
29	Title: Robust fault detection based on adaptive threshold generation using interval LPV observers Author(s): Saúl Montes de Oca, Vicenç Puig, Joaquim Blesa Source: INTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING Volume: 26 Issue: 3 Pages: 258-283 ISSN: 0890-6327 DOI: 10.1002/acs.1263 Published: March 2012	2012	8	2		5.34	1	
30	Title: Uncertain quality diagnosis method based on fuzzy relation equation and genetic algorithm Jisuhanji: Author(s) Hou, S.-W., Zhu, H.-M.; Jurnal: Jicheng Zhizao Xitong/Computer Integrated Manufacturing Systems, CIMS, ISSN: 1006-5911 Volume 18, Issue 12, December 2012, Pages 2736-2743	2012	4			1.33		1

Nr.	Referinta bibliografica a articolului care este citat / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
31	Title: Progress in root cause and fault propagation analysis of large-scale industrial processes (Review) Author(s): Yang, F.ab, Xiao, D.a Journal of Control Science and Engineering ISSN: 16875249 Volume 2012, 2012, Article number478373 DOI: 10.1155/2012/478373	2012	4			1.33		1
32	Title: Fuzzy evidence in identification, forecasting and diagnosis Author(s): Rotshtein, A.P.a, Rakvyanskaya, H.B. Studies in Fuzziness and Soft Computing Volume 275, 2012, Pages 1-327; ISSN: 14349922 ISBN: 978-364225785-8; DOI: 10.1007/978-3-642-25786-5_1 pp. 239-246	2012	4			1.33		1
33	Title: Interval approach for robust fault diagnosis Authors: Jha, M.S., Dauphin-Tanguy, G., Ould Bouamama, B. Source: 6th Int. Conference on Integrated Modeling and Analysis in Applied Control and Automation, IMAACA 2012, Held at the International Multidisciplinary Modeling and Simulation Multiconference, I3M 2012	2012	4			1.33		1
34	Title: Identification for passive robust fault detection using zonotope-based set-membership approaches Author(s): Blesa Joaquim; Puig Vicenc; Saludes Jordi Source: INTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING Volume: 25 Issue: 9 Pages: 788-812 DOI: 10.1002/acs.1242 Published: SEP 2011	2011	8	2		5.34	1	
35	Title: Robust fault detection of mobile robots using an ellipsoid bounding identification algorithm Author(s): Bo Zhou, Xianzhong Dai Source: Mechatronics and Automation (ICMA), 2011 International IEEE Conference on Pages: 2195 - 2200 ; DOI: 10.1109/ICMA.2011.5986321, ISBN: 978-142448114-9 Published: August 2011	2011	4			1.33		1
36	Title: Causal reasoning improved by fuzzy logic for diagnosis of bond graph modelled uncertain parameters systems (Conference Paper) Author(s): Bouallègue, W.a, Bouabdallah, S.B.a, Tagina, M.b Source: Proceedings of the 8th International Conference on Informatics in Control, Automation and Robotics Volume 2, 2011, Pages 59-66 ICINCO2011 Noordwijkerhout, Netherlands; 28 July 2011 through 31 July 2011; Code 86379, ISBN: 978-989842575-1	2011	8			2.67	1	
37	Title: FAULT DIAGNOSIS AND FAULT TOLERANT CONTROL USING SET-MEMBERSHIP APPROACHES: APPLICATION TO REAL CASE STUDIES Author(s): Puig Vicenc Source: INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND COMPUTER SCIENCE Volume: 20 Issue: 4 Pages: 619-635 DOI: 10.2478/v10006-010-0046-y Published: DEC 2010	2010	8	2		5.34	1	

Nr.	Referinta bibliografica a articolului care este citat / / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
38	Title: Observer gain effect in linear interval observer-based fault detection Author(s): Meseguer Jordi; Puig Vicenc; Escobet Teresa; Source: JOURNAL OF PROCESS CONTROL Volume: 20 Issue: 8 Pages: 944-956 DOI: 10.1016/j.jprocont.2010.06.017 Published: SEP 2010	2010	8	2		5.34	1	
39	Title: Fault detection using interval LPV models in an open-flow canal Author(s): Blesa Joaquim; Puig Vicenc; Bolea Yolanda Source: CONTROL ENGINEERING PRACTICE Volume: 18 Issue: 5 Pages: 460-470 DOI: 10.1016/j.conengprac.2010.01.002 Published: MAY 2010	2010	8	2		5.34	1	
40	Title: Interval observer design for consistency checks of nonlinear continuous-time systems Author(s): Raissi Tarek; Videau Gaetan; Zolghadri Ali Source: AUTOMATICA Volume: 46 Issue: 3 Pages: 518-527 DOI: 10.1016/j.automatica.2009.12.005 Published: MAR 2010	2010	8	2		5.34	1	
41	Title: Linguistic equation models for failure mode identification from multisensor vibration analysis Authors: Juuso, E., Ruusunen, M., Perigot, G. Source: 7th International Conference on Condition Monitoring and Machinery Failure Prevention Technologies 2010, CM 2010/MFPT 2010 2, pp. 1408-1420, 2010	2010	4			1.33		1
42	Title: Application of the enhanced dynamic causal digraph method on a three-layer board machine Authors: Cheng, H., Tikkala, V.-M., Jamsa-Jounela, S.-L. Source: 2009 European Control Conference, ECC 2009, 26 March 2014, Article number 7074883, Pages 3112-3117 Code 111795, ISBN: 978-395241739-3	2009	4			1.33		1
43	Title: Robust fault detection using interval LPV parity equations: Application to an open-flow canal Authors: Blesa, J., Puig, V., Bolea, Y. Source: 2009 European Control Conference, ECC 2009, Article number 7074787, Pages 2536-2541 Code 111795, ISBN: 978-395241739-3	2009	4			1.33		1
44	Title: SQUALTrack: A Tool for Robust Fault Detection Author(s): Armengol Joaquim; Vehi Josep; Angel Sainz Miguel; Source: IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART B-CYBERNETICS Volume: 39 Issue: 2 Pages: 475-488 DOI: 10.1109/TSMCB.2008.2006909 Published: APR 2009	2009	8	2		5.34	1	
45	Title: Robust fault detection using zonotope-based set-membership consistency test Author(s): Ingimundarson Ari; Manuel Bravo Jose; Puig Vicenc; Source: INTERNATIONAL JOURNAL OF ADAPTIVE CONTROL AND SIGNAL PROCESSING Volume: 23 Issue: 4 Pages: 311-330 DOI: 10.1002/acs.1038 Published: APR 2009	2009	8	2		5.34	1	

Nr.	Referinta bibliografica a articolului care este citat / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
46	Title: Diagnosis of an Inertial Measurement Unit Based on Set Membership Estimation Author(s): Nguyen H. V.; Berbra C.; Leseq S.; Book Group Author(s): IEEE Conference: 17th Mediterranean Conference on Control and Automation Location: Thessaloniki, GREECE Date: JUN 24-26, 2009 Source: MED: 2009 17TH MEDITERRANEAN CONFERENCE ON CONTROL & AUTOMATION, VOLS 1-3 Pages: 211-216 Published: 2009	2009	4			1.33		1
47	Title: Fault-detection relying on set-membership techniques for an Atomic Force Microscope (Conference Paper) Authors: Reppa, V., Tzes, A. IFAC Proceedings Volumes (IFAC-PapersOnline) 2009, Pages 1186-1191 7th IFAC International Symposium on Fault Detection, Supervision and Safety of Technical Systems, SAFEPROCESS'09; Barcelona; Spain; 30 June 2009 through 3 July 2009; Code 85835, ISSN: 14746670 ISBN: 978-390266146-3	2009	4			1.33		1
48	Title: Robust Identification and Fault Detection using Zonotope-based Direct and Inverse Approaches Authors: Joaquim Blesa, Vicenç, Puig, Jordi Saludes, and Sa'ul Montes de Oca Source: 20th International Workshop on Principles of Diagnosis, Stockholm, Sweden, June 14-17, 2009	2009	4			1.33		1
49	Title: The contribution of interval-based models to complex systems fault detection problems (Conference Paper) Authors: Quevedo, J.a., Puig, V.a, Escobet, T.a, Sarrate, R.a, Nejari, F.a, Travé-Massuyès, L.b IFAC Proceedings Volumes (IFAC-PapersOnline) 2009, Pages 1126-1131 7th IFAC International Symposium on Fault Detection, Supervision and Safety of Technical Systems, SAFEPROCESS'09; Barcelona; Spain; 30 June 2009 through 3 July 2009; Code 85835, ISSN: 14746670 ISBN: 978-390266146-3	2009	4			1.33		1
50	Title: Robust FDI/FTC using Set-membership Methods and Application to Real Case Studies Authors: Puig Cayuela, Vicenç 7th Workshop on Advanced Control and Diagnosis", Zielona Góra: 2009, p. 1-12.	2009	4			1.33		1

Nr.	Referinta bibliografica a articolului care este citat / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
51	Title: A new fault isolation and identification method for nonlinear dynamic systems: Application to a fermentation process Author(s): Li Zetao; Dahhou Boutaleb Source: APPLIED MATHEMATICAL MODELLING Volume: 32 Issue: 12 Pages: 2806-2830 DOI: 10.1016/j.apm.2007.09.036 Published: DEC 2008 WOS:000259785500024	2008	8	2		5.34	1	
52	Title: Passive robust fault detection of dynamic processes using interval models Author(s): Puig V.; Quevedo J.; Escobet T.; Source: IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY Volume: 16 Issue: 5 Pages: 1083-1089 DOI: 10.1109/TCST.2007.906339 Published: SEP 2008 WOS:000258822100023	2008	8	2		5.34	1	
53	Title: Fault diagnosis of the paper machine short circulation process using novel dynamic causal digraph reasoning Author(s): Cheng Hui; Nikus Mats; Jamsa-Jounela Sirkka-Liisa Source: JOURNAL OF PROCESS CONTROL Volume: 18 Issue: 7-8 Pages: 676-691 DOI: 10.1016/j.procont.2007.12.003 Published: AUG-SEP 2008 WOS:000257525100006	2008	8	2		5.34	1	
54	Title: Fault detection based on Orthotopic Set Membership Identification for Robot Manipulators Author(s): Vasso Reppa; Anthony Tzes Source: Proceedings of the 17th World Congress IFAC, Seoul, Korea July 2008, ISSN: 14746670 ISBN: 978-390266100-5, DOI: 10.3182/20080706-5-KR-1001.1510	2008	4			1.33		1
55	Title: Robust fault detection linear interval observers avoiding the wrapping effect Author(s): J. Meseguer, V Puig, T. Escobet Source: Proceedings of the 17th World Congress IFAC, Seoul, Korea July 2008, ISSN: 14746670 ISBN: 978-390266100-5, DOI: 10.3182/20080706-5-KR-1001.1452	2008	4			1.33		1
56	Title: Novel causal digraph reasoning for fault diagnosis with application on the paper machine short circu (Conference Paper) Authors: Cheng, H., Nikus, M., IFAC Proceedings Volumes (IFAC-PapersOnline) Volume 17, Issue 1 PART 1, 2008 17th World Congress, International Federation of Automatic Control, IFAC; Seoul; South Korea; 6 July 2008 through 11 July 2008; Code 79403, ISSN: 14746670 ISBN: 978-390266100-5	2008	4			1.33		1
57	Title: Passive robust fault detection using interval MA parity equations: Inverse vs direct image tests (Conference Paper) Authors: Guerra, P., IFAC Proceedings Volumes (IFAC-PapersOnline) Volume 17, Issue 1 PART 1, 2008 17th World Congress, International Federation of Automatic Control, IFAC; Seoul; South Korea; 6 July 2008 through 11 July 2008; Code 79403, ISSN: 14746670 ISBN: 978-390266100-5	2008	4			1.33		1

Nr.	Referinta bibliografica a articolului care este citat / / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
58	Title: Fault detection and identification using FIRFMS Author(s): Escobet Antoni; Nebot Angela; Cellier Francois E. Source: INTERNATIONAL JOURNAL OF GENERAL SYSTEMS Volume: 36 Issue: 3 Pages: 347-374 DOI: 10.1080/03081070701189440 Published: JUN 2007 WOS:000245718700005	2007	8	2		5.34	1	
59	Title: Fault detection for nonlinear systems with uncertain parameters based on the interval fuzzy model Author(s): Oblak Simon; Skrijanc Igor; Blazic Saso Source: ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE Volume: 20 Issue: 4 Pages: 503-510 DOI: 10.1016/j.engappai.2006.08.002 Published: JUN 2007 WOS:000246314600008	2007	8	2		5.34	1	
60	Title: Robust fault detection using inverse images of interval functions (Book Chapter) Authors: Puig, V., Ingimundarson, A., Tornil, S. Book: Fault Detection, Supervision and Safety of Technical Processes 2007 2, pp. 1210-1215 ISBN: 978-008044485-7; Publisher: Elsevier Ltd	2007	4			1.33		1
61	Title: Robust fault detection based on zonotope-based set-membership parameter consistency test (Book Chapter) Authors: Guerra, P., Brayo, J.M., Ingimundarson, A., Puig, V., Alamo, T. Book: Fault Detection, Supervision and Safety of Technical Processes 2007 2, pp. 1056-1061 ISBN: 978-008044485-7; Publisher: Elsevier Ltd	2007	4			1.33		1
62	Title: A new fault-detection system for nonlinear systems based on an interval fuzzy model Authors: Oblak, S., Skrijanc, I., Blazic, S. Source: 2007 European Control Conference, ECC 2007, Article number 7068930, Pages 2956-2962, ISBN: 978-395241738-6	2007	4			1.33		1
63	Title: Robust fault detection using interval LPV models Authors: Blesa, J., Bolea, Y., Puig, V. Source: 2007 European Control Conference, ECC 2007, Article number 7068814, Pages 1618-1625 ISBN: 978-395241738-6	2007	4			1.33		1
64	Title: Cause and effect analysis by fuzzy relational equations and a genetic algorithm Author(s): Rotshtein Alexander P., Posner Morton; Rakytynska Hanna B. Source: RELIABILITY ENGINEERING & SYSTEM SAFETY Volume: 91 Issue: 9 Pages: 1095-1101 DOI: 10.1016/j.res.2005.11.041 Published: SEP 2006 WOS:000239648900011	2006	8	2		5.34	1	

Nr.	Referinta bibliografica a articolului care este citat / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
65	Title: Passive robust fault detection using interval observers: Application to the DAMADICS benchmark problem Author(s): Puig V; Stancu A; Escobet T; Source: CONTROL ENGINEERING PRACTICE Volume: 14 Issue: 6 Pages: 621-633 DOI: 10.1016/j.conengprac.2005.03.016 Published: JUN 2006 WOS:000237465300005	2006	8	2		5.34	1	
66	Title: Robust fault detection based on zonotope-based set-membership parameter consistency test (Conference Paper) Authors: Guerra, P.a, Bravo, J.M.b, Ingimundarson, A.a, Puig, V.a, Alamo, T.c IFAC Proceedings Volumes (IFAC-PapersOnline) Volume 6, Issue PART 1, 2006, Pages 1056-1061 6th IFAC Symposium on Fault Detection, Supervision and Safety of Technical Processes, SAFEPROCESS 2006; Beijing; China; 29 August 2006 through 1 September 2006; Code 85869	2006	4			1.33		1
67	Title: Robust fault detection using inverse images of interval functions (Conference Paper) Authors: Puig, V., Ingimundarson, A., Tornil, S. IFAC Proceedings Volumes (IFAC-PapersOnline) Volume 6, Issue PART 1, 2006, Pages 1210-1215 6th IFAC Symposium on Fault Detection, Supervision and Safety of Technical Processes, SAFEPROCESS 2006; Beijing; China; 29 August 2006 through 1 September 2006; Code 85869	2006	4			1.33		1
68	Title: Relaxed fault detection and isolation: An application to a nonlinear case study Author(s): Mattone R; De Luca A Source: AUTOMATICA Volume: 42 Issue: 1 Pages: 109-116 DOI: 10.1016/j.automatica.2005.08.018 Published: JAN 2006 WOS:000234079100012	2006	8	2		5.34	1	
69	Title: Interval fuzzy modelling in fault detection for a class of processes with interval-type parameters Author(s): Oblak S Book Group Author(s): IEEE Conference: International Conference on Computer as a Tool (EUROCON 2005) Location: Belgrade, SERBIA MONTENEG Date: NOV 21-24, 2005 Sponsor(s): IEEE Reg 8; Telecommun Soc; Univ Belgrade, Sch Elect Engrg; IEEE Serbia & Montenegro Sect Source: Eurocon 2005: The International Conference on Computer as a Tool, Vol 1 and 2, Proceedings Pages: 1867-1870 Published: 2005 WOS:000237248900467	2005	8.00			2.67	1	

Nr.	Referinta bibliografica a articolului care este citat / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
70	Title: On applying interval fuzzy model to fault detection and isolation for nonlinear input/output systems with uncertain parameters Author(s): Oblak, S (Oblak, S); Skrljanc, I (Skrljanc, I); Blazic, S (Blazic, S) Book Group Author(s): IEEE Source: 2005 IEEE INTERNATIONAL CONFERENCE ON CONTROL APPLICATIONS (CCA), VOLS 1AND 2 Book Series: IEEE International Conference on Control Applications Pages: 465470 Published: 2005 WOS:000232978000079	2005	8.00			2.67	1	
71	Title: Robust fault diagnosis using parallelotope-based set-membership consistency tests Author(s): Ingimundarson Ari; Bravo Jose Manuel; Puig Vicenc; Book Group Author(s): IEEE Conference: 44th IEEE Conference on Decision Control/European Control Conference (CCD-ECC) Location: Seville, SPAIN Date: DEC 12-15, 2005 Sponsor(s): IEEE Control Syst Soc; European Union Control Assoc; IFAC; INFORMS; SIAM; SICE; Honeywell; MathWorks Source: 2005 44th IEEE Conference on Decision and Control & European Control Conference, Vols 1-8 Book Series: IEEE CONFERENCE ON DECISION AND CONTROL - PROCEEDINGS Pages: 993-998 Published: 2005 WOS:000240653700167	2005	8.00			2.67	1	
C1	STAMATESCU G.; STAMATESCU I.; ARGHIRA N.; FAGĂRAȘAN I., S.St. ILIESCU Embedded Networked Monitoring and Control for Renewable Energy Storage Systems 12th IEEE International Conference on Development and Application Systems (DAS) Location: Suceava, ROMANIA Pages: 1-6 Published: 2014	2014			5	9.6	5	2
1	Wireless System for Occupancy Modelling and Prediction in Smart Buildings By: Chitu, Claudia; Stamatescu, Grigore; Stamatescu, Iulia; Conference: 25th Mediterranean Conference on Control and Automation (MED) Location: Univ Malta, Valletta Campus, Valletta, MALTA Date: JUL 03-06, 2017 Sponsor(s): Mediterranean Control Assoc; IEEE Control Syst Soc; IEEE; IEEE Robot & Automat Soc 2017 25TH MEDITERRANEAN CONFERENCE ON CONTROL AND AUTOMATION (MED) Book Series: Mediterranean Conference on Control and Automation Pages: 1094-1099 Published: 2017 WOS:000426926300179	2017	8			1.6	1	

Nr.	Referinta bibliografica a articolului care este citat / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
2	Power Factor Evaluation in Data Acquisition Systems By: Oancea, Constantin-Daniel Conference: 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems - Technology and Applications (IDAACS) Location: Bucharest, ROMANIA Date: SEP 21-23, 2017 Sponsor(s): IEEE; IEEE Ukraine Sect I & M CI Joint Soc Chapter; Ternopil Natl Econ Univ; Res Inst Intelligent Comp Syst; Natl Acad Sci Ukraine; V M Glushkov Inst Cybernet; IEEE Ukraine Sect; Ternopil Natl Econ Univ; Univ Politehnica Bucharest; Fac Automat Control & Comp Sci; IEEE Romanian Sect; Romanian Soc Automat Control & Tech Informat; Asti Automat; River Publishers; TUV AUSTRIA ROMANIA; Festo; SRAIT PROCEEDINGS OF THE 2017 9TH IEEE INTERNATIONAL CONFERENCE ON INTELLIGENT DATA ACQUISITION AND ADVANCED COMPUTING SYSTEMS: TECHNOLOGY AND APPLICATIONS (IDAACS), VOL 1 Pages: 481-484 Published: 2017 WOS:000425869000087	2017	8			1.6	1	
3	CONTROL OF GREENHOUSE WITH PARABOLIC TROUGH COLLECTORS By: Grigoriu, Ramona-Oana; Voda, Alina; Arghira, Nicoleta; UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES C-ELECTRICAL ENGINEERING AND COMPUTER SCIENCE Volume: 78 Issue: 3 Pages: 75-84 Published: 2016 WOS:000393326700007	2016	8			1.6	1	
4	Title: Application of Wireless Sensor and Actuator Networks to Achieve Intelligent Microgrids: A Promising Approach towards a Global Smart Grid Deployment Authors: Alvaro Liria, Guillaume Terrasson, Octavian Curea and Jaime Jiménez Source: Applied Sciences, Special Issue "Smart Grid: Convergence and Interoperability" 2016, 6(3), 61; doi:10.3390/app6030061, ISSN 2076-3417 WOS:000373530700021	2016	4			0.8		1
5	Title: Research and Survey on Applications of Wireless Techniques for Electrical Monitoring and Control Systems, Author: LIN Jin, Source: PROCEEDINGS OF THE 2015 INTERNATIONAL CONFERENCE ON INTELLIGENT SYSTEMS RESEARCH AND MECHATRONICS ENGINEERING Book Series: Advances in Intelligent Systems Research Volume: 121 Pages: 1939-1943 Published: 2015 WOS:000359441300398	2015	4			0.8		1
6	Temperature Control of a Greenhouse Heated by Renewable Energy Sources By: Grigoriu, Ramona-Oana; Voda, Alina; Arghira, Nicoleta; Conference: Int Aegean Conference on Electrical Machines and Power Electronics (ACEMP) / Int Conference on Optimization of Electrical and Electronic Equipment (OPTIM) / Int Symposium on Advanced Electromechanical Motion Systems (ELECTROMOTION) Location: Side, TURKEY Date: SEP 02-04, 2015 Pages: 494-499 Published: 2015 WOS:000382957000077	2015	8			1.6	1	

Nr.	Referinta bibliografica a articolului care este citat i / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
7	Towards Cloud Integration for Industrial Wireless Sensor Network Systems By: Chenaru, Oana; Stamatescu, Grigore; Stamatescu, Iulia; Conference: 9th International Symposium on Advanced Topics in Electrical Engineering (ATEE) Location: Univ Politehnica Bucharest, Fac Elect Engrn, Bucharest, ROMANIA Date: MAY 07-09, 2015 Sponsor(s): IEEE 2015 9TH INTERNATIONAL SYMPOSIUM ON ADVANCED TOPICS IN ELECTRICAL ENGINEERING (ATEE) Pages: 917-922 Published: 2015 WOS:000368159800170	2015	8			1.6	1	
R2	STAMATESCU I., ARGHIRA N., FĂGĂRAȘAN I., STAMATESCU G., ILIESCU S. St., CALOFIR V.- Decision Support System for a Low Voltage Renewable Energy System Energies, Vol. 10, pp.118, 2017. (revista indexata ISI: WOS:000392422500117)	2017			6	21.36	4	0
1	MICROGRID CONTROL SIMULATION AND TESTING By: Puianu, Mihaela; Flangea, Ramona-Oana; Arghira, Nicoleta; UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES C-ELECTRICAL ENGINEERING AND COMPUTER SCIENCE Volume: 80 Issue: 2 Pages: 57-68 Published: 2018 WOS:000434342000005	2018	8	2		5.34	1	
2	A Decision Support Tool for Building Integrated Renewable Energy Microgrids Connected to a Smart Grid By: Asaleye, Damilola A.; Breen, Michael; Murphy, Michael D. ENERGIES Volume: 10 Issue: 11 Article Number: 1765 Published: NOV 2017 WOS:000417046500084	2017	8	2		5.34	1	
3	Rethinking Participation in Smart Energy System Planning By: Lammers, Imke; Arentsen, Maarten J. ENERGIES Volume: 10 Issue: 11 Article Number: 1711 Published: NOV 2017 WOS:000417046500030	2017	8	2		5.34	1	
4	Optimizing the Renewable Energy Potential: Myth or Future Trend in Romania By: Oncioiu, Ionica; Petrescu, Anca Gabriela; Grecu, Eugenia; ENERGIES Volume: 10 Issue: 6 Published: JUN 2017 WOS:000404384000025	2017	8	2		5.34	1	

Nr.	Referinta bibliografica a articolului care este citat i / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
R3	Calofir, Vasile; Tanasa, Valentin; Fagarasan, Ioana; Stamatescu, Iuliu; Arghira, Nicoleta; Stamatescu, Grigore A BACKSTEPPING CONTROL METHOD FOR A NONLINEAR PROCESS - TWO COUPLED-TANKS UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES C-ELECTRICAL ENGINEERING AND COMPUTER SCIENCE Volume: 77 Issue: 3 Pages: 67-76 Published: 2015	2015			6	2.67	1	0
1	Comparison of Model Reference Adaptive Control and Cascade PID Control for ASTank2 By: Vu Minh Hung; Stamatescu, Iulia; Dragana, Cristian; Conference: 9th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems - Technology and Applications (IDAACS) Location: Bucharest, ROMANIA Date: SEP 21-23, 2017 Sponsor(s): IEEE; IEEE Ukraine Sect I & M C1 Joint Soc Chapter; Ternopil Natl Econ Univ, Res Inst Intelligent Comp Syst; Natl Acad Sci Ukraine, V M Glushkov Inst Cybernet; IEEE Ukraine Sect; Ternopil Natl Econ Univ; Univ Politehnica Bucharest, Fac Automat Control & Comp Sci; IEEE Romanian Sect; Romanian Soc Automat Control & Tech Informat; Asti Automat; River Publishers; TUV AUSTRIA ROMANIA; Festo; SRAIT PROCEEDINGS OF THE 2017 9TH IEEE INTERNATIONAL CONFERENCE ON INTELLIGENT DATA ACQUISITION AND ADVANCED COMPUTING SYSTEMS: TECHNOLOGY AND APPLICATIONS (IDAACS), VOL 2 Pages: 1137-1143 Published: 2017	2017	8	1		2.67	1	
C1	Stamatescu G., Stamatescu I., Arghira N., Fagarasan I., Ilescu S.St. Innovative SCADA Test Bed Infrastructure for Engineering Education and Research Proceedings of the 10th International Scientific Conference eLearning and Software for Education, eLSE 2014, April 24-25, Bucharest, Romania, DOI 10.12753/2066- 026X-14-127. WOS:000337122900082	2014			5	0.8	0	1
1	Chen, Yong. "Industrial information integration—A literature review 2006–2015." Journal of Industrial Information Integration 2 (2016): 30-64.	2016	4			0.8		1
C2	Stamatescu, I., Stamatescu, G., Arghira, N., Făgărașan, I., Ilescu, S.S. Fuzzy decision support system for solar tracking optimization "2014 International Conference on Development and Application Systems, DAS 2014 - Conference Proceedings 6842420, pp. 16-20"	2014			5	3.2	0	2
1	Title: Medium size dual-axis solar tracking system with sunlight intensity comparison method and fuzzy logic implementation Authors: Zakariah, A. , Faramarzi, M. , Jamian, J.J. (2015) Jurnal Teknologi Vol 77, No 17, E-ISSN: 2180-3722 WOS:000218625700022	2015	8			1.6		1

Nr.	Referinta bibliografica a articolului care este citat i / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
2	Dual-Axis Solar Tracking System Based on Fuzzy Logic Control and Light Dependent Resistors as Feedback Path Elements By: Zakariah, Azwaan; Jamian, Jasrul Jamani; Yunus, Mohd Amri Md Conference: IEEE Student Conference on Research and Development (SCOREd) Location: Kuala Lumpur, MALAYSIA Date: DEC 13-14, 2015 Sponsor(s): IEEE STUDENT BRANCH APJ; IEEE MALAYSIA SECTION 2015 IEEE STUDENT CONFERENCE ON RESEARCH AND DEVELOPMENT (SCORED) Pages: 139-144 Published: 2015 WOS:000380559700011	2015	8			1.6		1
C3	Calofir V., Tanasa V., Fagarasan I., Stamatescu G. A Backstepping Control Method for a Nonlinear Process - Two Coupled Tanks International Conference on Energy and Environment, CIEM 2013, Bucharest, Romania, arXiv:1312.0728.	2013			6	1.6	0	1
1	Sekban, Hayriye Tuğba, Kaan Can, and Abdullah Başçi. "The performance analyze and control of a coupled tank liquid-level system via PI & backstepping controllers." Electrical, Electronics and Biomedical Engineering (ELECO), 2016 National Conference on. IEEE, 2016. WOS:000401519800052	2016	8			1.6		1
C4	Stamatescu, I.; Fagarasan, I.; Stamatescu, G., Arghira N., Ilescu S.St. Design and Implementation of a Solar-Tracking Algorithm "24TH DAAAM INTERNATIONAL SYMPOSIUM ON INTELLIGENT MANUFACTURING AND AUTOMATION, 2013 Book Series: Procedia Engineering Volume: 69 Pages: 500-507 Published: 2014	2013			5	12.8	4	4
1	P&O MAXIMUM POWER POINT REGULATION MODEL FOR TWO STAGE GRID CONNECTED PV SYSTEMS By: Ionescu, Mihai UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN SERIES C-ELECTRICAL ENGINEERING AND COMPUTER SCIENCE Volume: 80 Issue: 2 Pages: 85-96 Published: 2018 WOS:000434342000007	2018	8.00			1.6	1	
2	A Low-Cost Maximum Power Point Tracking System Based on Neural Network Inverse Model Controller By: Robles Algarin, Carlos; Sevilla Hernandez, Delmer; Restrepo Leal, Diego ELECTRONICS Volume: 7 Issue: 1 Article Number: 4 Published: JAN 2018 WOS:000424110800004	2018	8.00	2.00		3.2	1	
3	Recent advancements and challenges in Solar Tracking Systems (STS): A review By: Nsengiyumva, Walter; Chen, Shi Guo; Hu, Lihua; RENEWABLE & SUSTAINABLE ENERGY REVIEWS Volume: 81 Pages: 250-279 Part: 1 Published: JAN 2018 WOS:000417070500020	2018	8.00	2.00		3.2	1	
4	Title: Optimal PID controller design through swarm intelligence algorithms for sun tracking system (Article) Authors: Sabir, M.M., Ali, T. Applied Mathematics and Computation Volume 274, 1 February 2016, Pages 690-699 WOS:000367521900061	2016	8.00			1.6	1	

Nr.	Referinta bibliografica a articolului care este citat / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citate ISI	citate BDI
5	Solar Tracking System with Momentary Tracking Based on Operational Amplifiers in Order to be Used in Photovoltaic Panels for Following the Sun, Avarand, Sobhan, and Mostafa Pirmoradian, Bulletin de la Société Royale des Sciences de Liège 85 (2016): 269-277.	2016	4.00			0.8		1
6	Title: Energy improvement in solar PV tracking systems (Article) Authors: Shunmugakani, P., Visalakshi, M., Gomes, P., Ayishwariya, N. Journal of Chemical and Pharmaceutical Sciences Volume 8, Issue 2, 1 April 2015, Pages 459-462 ISSN: 0974-2115, 2015	2015	4			0.8		1
7	PHOTOVOLTAICS AND ITS POTENTIAL APPLICATION IN THE PRODUCTION OF ELECTRICITY, Chrobak, Pavel; Zalesak, Martin; Sehnalek, Stanislav, Annals of DAAAM & Proceedings . 2015, Vol. 26 Issue 1, p1032-1037. 6p	2015	4			0.8		1
8	Title: Efficiency Improvement of Sun Tracking Systems Controlled by FPGA Authors: Abdelkader, H. I., M. Saber, and A. S. Awed. Source: International Journal of Scientific & Engineering Research, Volume 5, Issue 2014, ISSN 2229-5518	2014	4			0.8		1
B1	Nicoleta Arghira, Stéphane Ploix, Ioana Făgărășan, Sergiu Stelian Iliescu Advances in Intelligent Control Systems and Computer Science/ Book chapter: Forecasting Energy Consumption in Dwellings ; Ed. Springer Berlin Heidelberg, ISBN 978-3-642-32547-2; ISSN 2194-5357; pp 251-264, 2013 (indexat SCOPUS) http://link.springer.com/chapter/10.1007/978-3-642-32548-9_18 " 2013	2013			4	1	0	1
1	Maksood, Fathimath Zuha, and Geetha Achuthan. "Analysis of Data Mining Techniques and Its Applications." Analysis 140.3 (2016).	2016	4			1		1
B2	Iulia Dumitru, Stéphane Ploix, Ioana Făgărășan, Sergiu Stelian Iliescu Advances in Intelligent Control Systems and Computer Science/ Book chapter: Energy Efficiency Dependency Analysis for a Data Center "Ed. Springer Berlin Heidelberg, ISBN 978-3-642-32547-2; ISSN 2194-5357; pp 307-321, 2013 (indexat SCOPUS)	2013			4	2	1	0

Nr.	Referinta bibliografica a articolului care este citat i / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
1	Monitoring and assessing energy consumption and CO2 emissions in cloud-based systems By: Cappiello, Cinzia; Datre, Sumit; Fugini, MariaGrazia; Conference: IEEE International Conference on Systems, Man, and Cybernetics (SMC) Location: Manchester, ENGLAND Date: OCT 13-16, 2013 Sponsor(s): IEEE; IEEE Comp Soc 2013 IEEE INTERNATIONAL CONFERENCE ON SYSTEMS, MAN, AND CYBERNETICS (SMC 2013) Book Series: IEEE International Conference on Systems Man and Cybernetics Conference Proceedings Pages: 127-132 Published: 2013 WOS:000332201900022	2013	8			2	1	0
R4	Costianu, D.R, Arghira, N., Făgărășan, I., Iliescu, S.S., A survey on power system protection in smart grids, Scientific Bulletin, University POLITEHNICA Bucharest, Series C: Electrical Engineering, vol. 74, nr. 1, ISSN 1454234x, pp. 139-146, 2012	2012			4	2	1	0
1	Title: Theoretical modeling and implementation of traveling wave sensor based on PCB coils Authors: Li, Z., Deng, T., Zeng, X. (2015) Journal of Sensors, Publisher:Hindawi Publishing Corporation, ISSN:1687-725X, E-ISSN:1687-7268 WOS:000356332200001	2015	8			2	1	
C5	AM Vlađu, I Fagarasan, On prediction of defect rates Proceedings of International Conference on Automation Quality and Testing Robotics (AQTR), 2012 IEEE Cluj-Napoca, ISBN: 978-1-4673-0701-7, INSPEC art. no. 6237703, pp. 201-205. Accession Number: 12853531; DOI: 10.1109/AQTR.2012.6237703 (proceeding indexat SCOPUS 91781 si INSPEC) 2012	2012			2	4	0	2
1	Yousef, Ahmed H. "Extracting software static defect models using data mining." Ain Shams Engineering Journal 6.1 (2015): 133-144.	2015	4			2		1
2	Yousef, Ahmed H. "A tool suite for estimation and prediction of software dynamic defect models." Computer Engineering & Systems (ICCES), 2014 9th International Conference on. IEEE, 2014.	2014	4			2		1
C6	I. Dumitru, I. Fagarasan, S. Iliescu, H. S. Yanis, S. Ploix, Increasing energy efficiency in data centers using energy management, 2011 IEEE/ACM International Conference on Green Computing and Communications, GreenCom 2011; Chengdu, Sichuan, China; 4 - 5 August 2011; art. no. 6061320, pp. 159-165, ISBN: 978-076954466-3, DOI: 10.1109/GreenCom.2011.53, 2011 (proceeding indexat SCOPUS 87339)	2011			5	6.4	2	5

Nr.	Referinta bibliografica a articolului care este citat i / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
1	Book Chapter: Review on performance metrics for energy efficiency in data center: The role of thermal management Authors: Capozzoli, A., Chinnici, M., Perino, M. Book Title: Energy Efficient Data Centers, Series Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) Volume 8945 of the series Lecture Notes in Computer Science pp 135-151 (2015) DOI 10.1007/978-3-319-15786-3_9, Print ISBN 978-3-319-15785-6, Online ISBN 978-3-319-15786-3 wos:000354539700009	2015	8			1.6	1	0
2	Energy saving in green cloud computing data centers: A review Ghani, I., Niknejad, N., Jeong, S.R. (2015) Journal of Theoretical and Applied Information Technology	2015	4			0.8		1
3	Title: Performance evaluation of green data centre management supporting sustainable growth of the internet of things Authors: C. Peoples, G. Parr, S. McClean, B. Scotney, P. Morrow Journal: Simulation Modelling Practice and Theory, Volume 34, May 2013, Pages 221-242, Elsevier	2013	8			1.6	1	1
4	Title: Kennzahlenbasierte Erfolgsmessung von Green IT-Maßnahmen – Eine empirische Analyse zum aktuellen Stand in Forschung und Praxis Authors: Nicky Opitz, Florian Thies, Koray Ereğ, Lutz M. Kolbe, Rüdiger Zarnekow 11th International Conference on Wirtschaftsinformatik, 27th February – 01st March 2013, Leipzig, Germany pages 1115 -1129	2013	4			0.8		1
5	Title: Data Center Energy Efficiency Improvements through Machine Learning Author: Jay W. Lapham Source: UMM CSci Senior Seminar Conference, April 2012, Morris, MN., pages:1-6	2012	4			0.8		1
6	Title: Energy Efficiency Management - Role of Government Agencies Author(s): Raminder Kaur Journal: International Journal of Applied Engineering Research, ISSN 0973 - 4562 Vol.7 No.11 (2012)	2012	4			0.8		1
C7	Ana Maria VLADU, Sergiu Stelian ILIESCU, Ioana FAGARASAN, Product Defect Prediction Model, Proceedings of the 6th IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI 2011), Print ISBN: 978-1-4244-9108-7, Digital Object Identifier: 10.1109/SACI.2011.5873084, art. no. 5873055, pp. 499-504, May 19-21, 2011, Timisoara, Romania (proceeding indexat SCOPUS 85356) 2011	2011			3	1.33	0	1
1	Title: Investigating defect prediction models for iterative software development when phase data is not recorded lessons learned Authors : Atyán, A., Tarhan, A. ENASE 2014 - Proceedings of the 9th International Conference on Evaluation of Novel Approaches to Software Engineering, pp. 48-58	2014	4			1.33		1

Nr.	Referinta bibliografica a articolului care este citat / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
R5	Arghira N., Hossu D., Fagarasan I., Ilescu S.S., Costianu D.R. Modern scada philosophy in power system operation - A survey (2011) UPB Scientific Bulletin, Series C: Electrical Engineering, 73 (2) , pp. 153-166.	2011			5	16.8	4	15
	Grozev, D ; Spasov, G ; Shopov, M ; Kakanakov, N; Petrova, G Experimental Study of Cloud Computing Based SCADA in Electrical Power Systems Proc. of 2016 XXV INTERNATIONAL SCIENTIFIC CONFERENCE ELECTRONICS, Sozopol, BULGARIA, 2016 WOS:000390766000027	2016	8			1.6	1	
1	Title: An alternative voltage and frequency monitoring scheme for SCADA based communication in power system using data compression Authors: Sarkar, S.J., Das, B., Dutta, T., Dey, P., Mukherjee, A. 2015 International Conference and Workshop on Computing and Communication, IEMCON 2015 7344469	2015	4			0.8		1
2	Title: Fault location diagnosis based on synchronized phasor measurements Authors: González, C., Vázquez, E., Sellschopp, F. IEEE Latin America Transactions, 13 (3), 7069087, pp. 645-650	2015	4			0.8		1
3	Title: Development of SCADA automated 33kV substation model as testing platform Authors: Swathi Ramesh, M., Smrithi, S., Akhrajoti, P., (...), Pal, S., Poornachandran, P. 2015 International Conference on Industrial Instrumentation and Control, ICIC 2015 7150976, pp. 1442-1447	2015	4			0.8		1
4	Title: Anomaly detector algorithm on scada Authors: Ignat, N.D. UPB Scientific Bulletin, Series C: Electrical Engineering, 77 (1), pp. 83-90 WOS:000421796300008	2015	8			1.6	1	
5	Title: Modeling of novel zigbee/IEEE802.15.4 MAC protocol for SCADA low voltage smart grid distribution systems Authors: Shabani, H., Ahmed, M.M., Khan, S., Hameed, S.A., Habaebi, M.H. 2014 IEEE Innovative Smart Grid Technologies - Asia, ISGT ASIA 2014, 6873818, pp. 360-365 WOS:000346426800065	2014	8			1.6	1	
6	Title: Future SCADA challenges and the promising solution: The agent-based SCADA Authors: Abbas, H.A. International Journal of Critical Infrastructures, 10 (3-4), pp. 307-333	2014	4			0.8		1
7	R Glaa, MN Lakhroua, Methodology of analysis and design of a SCADA system. Proceedings of 2014 International Conference on Electrical Sciences and Technologies in Maghreb (CISTEM), DOI: 10.1109/CISTEM.2014.7076918, pp 1-7, Tunis, 2014	2014	4			0.8		1

Nr.	Referinta bibliografica a articolului care este citat / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
8	H Shabani, MM Ahmed, S Khan et al, Novel IEEE802. 15.4 Protocol for Modern SCADA communication systems , Proceedings of 2014 IEEE 8th International on Power Engineering and Optimization Conference (PEOCO), ISBN: 978-1-4799-2421-9, pp 597 - 601, 2014 WOS:000355404800110	2014	8			1.6	1	
9	Title: State estimation in power systems with FACTS devices and PMU measurements Authors: Presada, V.I., Cristea, C.V., Eremia, M., Toma, L. Proceedings of the Universities Power Engineering Conference, 6934712	2014	4			0.8		1
10	Title: Quantifying the economic impacts of attacks on competitive energy markets Authors: Rangarajan, R. 2014 North American Power Symposium, NAPS 2014, 6965435	2014	4			0.8		1
11	Calkerwood, S., Liu, W., Hong, J., Loughlin, M. - An architecture of a multi-agent system for SCADA: Dealing with uncertainty, plans and actions. ICINCO 2013 - Proceedings of the 10th International Conference on Informatics in Control, Automation and Robotics 1, pp. 300-306	2013	4			0.8		1
12	Title: Modern solutions for protecting the power system transformers of the transmission networks Authors: Constantin, I.-C., Constantin, C., Iliescu, S.S. UPB Scientific Bulletin, Series C: Electrical Engineering, 75 (3), pp. 55-62	2013	4			0.8		1
13	Recoşeanu, C. , Deaconu, A.-S., Chirilă, A.-I., Năvrădescu, V., Deaconu, I.-D., Ghiţă, C. , Remote monitoring of a permanent magnet synchronous motor using Android devices. UPB Scientific Bulletin, Series C: Electrical Engineering Volume 75, Issue 2, 2013, Pages 205-220	2013	4			0.8		1
14	Title: Investigating the preparedness for Adaptive SCADA for efficiencies in energy utility companies Authors: G.T.Thampi, Aruna Gawade, Lakshmi Kurup Journal: International Journal of Advancements in Research & Technology, Volume 2, Issue 5, May 2013, pg 475-479, ISSN 2278 - 7763	2013	4			0.8		1
15	Title: PERFORMANCE EVALUATION OF A SCADA SYSTEM FOR MONITORING AND CONTROLLING THE INDUSTRIAL PROCESSES Authors: S.A. GHERASIM, V.G. GAITAN Journal: BULETINUL INSTITUTULUI POLITEHNIC DIN IASI, Sectia AUTOMATICA si CALCULATOARE , Tomul LIX (LXIII), Fasc. 1, 2013	2013	4			0.8		1
16	Suriadi, Solib Taib, Mohd Shawal Jadin, Azman Nordin, Development of Smart System for Renewable Energy Hybrid Power System Base on SCADA, Proceedings of The 2nd Annual International Conference Syiah Kuala University 2012, vol 2, no 2, pp 349-354, 2012	2012	4			0.8		1

Nr.	Referinta bibliografica a articolului care este citat i / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
17	Title: Study of the project management phases and the architecture of a scada system Authors: Salah, Z., Lakhoua, M.N. Journal of Electrical Engineering, 12 (4), pp. 102-107	2012	4			0.8		1
18	Title: FROM SCADA TO SMART GRID IN POWER TRANSMISSION AND DISTRIBUTION SYSTEMS TEMSTEMS Authors: G.MIRON, C. BORBIC, S. MIRON, L. PIERRAT, M. VIZITEU, C.POPA Journal: Buletinul AGIR, Nr.1, Oct-Dec 2011, pg.191-198	2011	4			0.8		1
R6	Title: Evolved Fuzzy Control System for a Steam Generator Author(s): HOSSU, D., Ioana FAGĂRĂȘAN, S.ST. ILIESCU, A. HOSSU. Source: INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL Volume: 5 Issue: 2 Pages: 179-192 Published: JUN 2010	2010			4	6	3	0
1	Intelligent computationally efficient modelling of multi-input multi-output non- linear dynamical process plants: An industrial steam generator case study By: Nozari, Hasan A.; Banadaki, Hamed D PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART I-JOURNAL OF SYSTEMS AND CONTROL ENGINEERING Volume: 228 Issue: 5 Pages: 278-294 Published: MAY 2014 WOS:000335641000002	2014	8			2	1	
2	School networks to promote ICT competences among teachers. Case study in intercultural schools Author(s):Butter, M.C., Pérez, L.J., Quintana, M.G.B. Source: Computers in Human Behavior 30 , pp. 442-451 WOS:000330090900049	2014	8			2	1	
3	Title: Axiomatic Theory of Complex Fuzzy Logic and Complex Fuzzy Classes Author(s): Tamir D. E.; Kandel A. Source: INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL Volume: 6 Issue: 3 Special Issue: SI Pages: 562-576 Published: SEP 2011 WOS:000294513700012	2011	8			2	1	
R7	Ioana FAGĂRĂȘAN, Sergiu St. ILIESCU, Iulia Dumitru, Process Simulator using PLC Technology, Scientific Bulletin, University Politehnica Bucharest, Series C: Electrical Engineering, ISSN 1454-234X, vol. 72, nr. 2, pg 17-26, 2010 2010	2010			3	8.01	3	0
1	Title: Programmable Logic Controller Stage Programming Using Spiking Neural P Systems Author: Chen, K., Wang, J., Sun, Z., Luo, J., & Liu, T. Source: Journal of Computational and Theoretical Nanoscience, 12(7), 1292-1299, 2015 WOS:000356207200032	2015	8			2.67	1	0
2	Title: The application of spiking neural P systems for PLC programming Authors: Chen, K., Wang, J., Sun, Z., Luo, J., Liu, T. Communications in Computer and Information Science, 472, pp. 11-15 wos:000349707200002	2014	8			2.67	1	0

Nr.	Referinta bibliografica a articolului care este citat / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
3	The industrial process control simulator with Programmable Logic Control, N. - F. Oana - Carmen ; S. Valentin ; N. -F. Adrian, 2016 IEEE 11th International Symposium on Applied Computational Intelligence and Informatics (SACI), 10.1109/SACI.2016.7507385, WOS:000387119900050	2016	8			2.67	1	0
C8	Dumitru I., Arghira N., Fagarasan I., Iliescu S. A fuzzy PLC control system for a servomechanism (2010) IFAC Proceedings Volumes (IFAC-PapersOnline), 8 (PART 1) , pp. 69-74.	2010			4	1	0	1
1	Da Silva Fonseca, J.P. , De Souza, A.R. , Ferreira, M.V.M. , De Souza Tavares, J.J.-P.Z. , Carvalho, J.C.M., PlanPAS - Plans parser for automated systems (Conference Paper) IFAC Proceedings Volumes (IFAC-PapersOnline) 2013, Pages 75-80 11th IFAC Workshop on Intelligent Manufacturing Systems, IMS 2013; Sao Paulo; Brazil; 22 May 2013 through 24 May 2013; Code 98346	2013	4			1		1
C9	FĂGĂRAȘAN,I., S.St. ILIESCU, N. ARGHIRA, Advances in Power System Control, Proceedings of the International Workshop Energy, Transport and Environment Control Applications, ETECA'09, 25-26 May 2009, Targoviste Romania, ISBN 978-973-618-218-1, ISBN 978-973-159-080-6; pg.62-71, 2010 2010	2010			3	2.66	0	2
1	Swathi Ramesh, M., "Development of SCADA automated 33kV substation model as testing platform." Industrial Instrumentation and Control (IIOC), 2015 International Conference on. IEEE, 2015. Page(s): 1442 - 1447 INSPEC Accession Number: 15290883	2015	4			1.33		1
2	Bondici, Cristian, and Mircea Dulau. "Application of Modern SCADA in Power System Operation." Journal of Computer Science and Control Systems 7.1 (2014): 25-28	2014	4			1.33		1
C10	Nicoleta Arghira, Iulia Dumitru, Ioana Fagarasan, Sergiu Iliescu Load Frequency Regulation in Power Systems, Proceedings of the 2010 IEEE International Conference on Automation, Quality and Testing, Robotics 17th edition of , vol. 1, pp 94-99 , ISBN 978-1-4244-6722-8/10, DOI: 10.1109/AQTR.2010.5520910, 28-30 May 2010, Cluj, Romania	2010			4	1	0	1
1	Muñoz Benavente, Irene. "Integración de la demanda eléctrica y del recurso eólico al control de frecuencia: análisis e implementación." (2015).	2015	4			1		1
R8	Title: Modular system for process control testing Author(s): I Fagarasan, SS Iliescu, I Dumitru, N Arghira, I Bucur Source: WSEAS Transactions on Systems and Control, Pages: 329-338 Published: 2009	2009			5	2.4	1	1
1	Title: Planning and Control of a Hybrid Vacuum-Forming System Based on Screw-pin Tooling Author(s): Z WANG, Y Wang, N GINDY Source: WSEAS Transactions on Systems, Volume 5, Issue 7, Pages: 557-566, Published: 2010	2010	4			0.8		1

Nr.	Referinta bibliografica a articolului care este citat / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
2	The industrial process control simulator with Programmable Logic Control, N. - F. Oana - Carmen, S. Valentin, N. - F. Adrian, 2016 IEEE 11th International Symposium on Applied Computational Intelligence and Informatics (SACI), 10.1109/SACI.2016.7507385, WOS:000387119900050	2016	8			1.6	1	
R9	Bucur, Ion I., Fagarasan, I., Popescu, C., Culea, G., Susu, A.E., Delay Optimum And Area Optimal Mapping Of k-LUT Based FPGA Circuits CONTROL ENGINEERING AND APPLIED INFORMATICS Volume: 11 Issue: 1 Pages: 43-48 Published: MAR 2009 ISSN: 1454-8658 WOS:000268886200006	2009			5	2.4	1	1
1	Oana-Carmen, N. -F., Valentin, S., Adrian, N. -F., The industrial process control simulator with Programmable Logic Control, Book Group Author(s): IEEE, Conference: 11th IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI) Location: Timisoara, ROMANIA Date: MAY 12-14, 2016, 2016 IEEE 11TH INTERNATIONAL SYMPOSIUM ON APPLIED COMPUTATIONAL INTELLIGENCE AND INFORMATICS (SACI) Pages: 277-282 Published: 2016 WOS:000387119900050	2016	8			1.6	1	
2	Pop, Florin. "High performance numerical computing for high energy physics: a new challenge for big data science." Advances in High Energy Physics 2014 (2014).	2014	4			0.8		1
R10	Alaba O.B., Fagarasan I., Dobrescu R., Ilescu S.S. System analysis for e-Learning grids (2009) UPB Scientific Bulletin, Series C: Electrical Engineering, 71 (3), pp. 71-78. Title: CURRENT TRENDS IN ADL	2009			4	4	0	4
1	the 7th International Scientific Conference on e-Learning and Software for Education, Bucharest, April 2011 Title: Optimal observability of PMU's using analytic hierarchy process (AHP) method Author(s): Angheliescu, S.a , Chicco, G.b UPB Scientific Bulletin, Series C: Electrical Engineering Volume 73, Issue 4, 2011, Pages 257-266	2011	4			1		1
2		2011	4			1		1
3	Title: Using artificial neural networks in e-learning systems Author(s): Şuşnea, E. UPB Scientific Bulletin, Series C: Electrical Engineering Volume 72, Issue 4, 2010, Pages 91-100	2010	4			1		1
4	Title: Towards development of a distributed e-learning EcoSystem (Conference Paper) Author(s): Mehta, H.K.a , Chandwani, M.a , Kanungo, P.b 2010 International Conference on Technology for Education, T4E 2010 2010, Article number550060, Pages 68-71 2010 International Conference on Technology for Education, T4E 2010; Mumbai; India; 1 July 2010 through 3 July 2010; Category number10EX4478; Code 81674	2010	4			1		1

Nr.	Referinta bibliografica a articolului care este citat / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
C10	Title: A Modular Process Simulator with PLC Author(s): Dumitru Iulia, Fagarasan Ioana; Ilescu S. St.; G Stamatescu, N Arghira, V Barbulea Editor(s): Rudas I; Demiralp M; Mastorakis N Conference: 9th WSEAS International Conference on Simulation, Modelling and Optimization Location: Budapest Tech, Budapest, HUNGARY Date: SEP 03-05, 2009 Source: PROCEEDINGS OF THE 9TH WSEAS INTERNATIONAL CONFERENCE ON SIMULATION, MODELLING AND OPTIMIZATION Book Series: Mathematics and Computers in Science and Engineering, Pages: 391-394, Published: 2009 The industrial process control simulator with Programmable Logic Control, N. - F. Oana - Carmen ; S. Valentin ; N. -F. Adrian, 2016 IEEE 11th International Symposium on Applied Computational Intelligence and Informatics (SACI), 10.1109/SACI.2016.7507385, WOS:000387119900050	2009			6	5.35	2	2
1	Title: Ascertaining Important Features of the JAPROSIM Simulation Library Authors: Brahim Belattar, Abdelhabib Bourouis Proceedings of the 2013 International Conference on Systems, Control, Signal Processing and Informatics pages 515 -522	2016	8		3	2.67	1	
2	Title: Development and Implementation of Control Algorithms for Synchronous Generator Author(s): Erceg Igor; Erceg Gorislav; Sumina Damir Source: AUTOMATIKA Volume: 52 Issue: 2 Pages: 95-106 Published: APR-JUN 2011 wos:000294382200003	2013	4.00			0.67		1
3	Title: DSP based simulator for excitation control of synchronous generator Author(s): D Sumina, I Erceg, G Erceg Source: WSEAS Transactions on Systems and Control, Vol 6, Issue 11, Published: 2009, page 431-440	2011	8.00			1.34	1	
4	Title: Wind Power Plant Condition Monitoring Author(s): Costinas, Sorina; Diaconescu, Ioana; Fagarasan, Ioana Edited by: Perlovsky, L; Dionysiou, DD; Zadeh, LA, Conference: 3rd WSEAS International Conference on Energy Planning, Energy Saving, Environmental Education/3rd WSEAS RES 2009/3rd WSEAS WWAJ 2009 Location: Tenerife, SPAIN Date: JUL 01-03, 2009 ENERGY PROBLEMS AND ENVIRONMENTAL ENGINEERING Book Series: Energy and Environmental Engineering Series Pages: 71-76 Published: 2009	2009	4.00			0.67		1
C11	Overview of condition monitoring and operation control of electric power conversion systems in direct-drive wind turbines under faults By: Huang, Shoudao; Wu, Xuan; Liu, Xiao; FRONTIERS OF MECHANICAL ENGINEERING Volume: 12 Issue: 3 Special Issue: SI Pages: 281-302 Published: SEP 2017 wos:000412544200002	2017	8			2.67	1	
1	Wind Turbine Condition Monitoring: State-of-the-Art Review, New Trends, and Future Challenges By: Tchakoua, Pierre; Wamkeue, Rene; Ouhrouche, Mohand; ENERGIES Volume: 7 Issue: 4 Pages: 2595-2630 Published: APR 2014 wos:000336217000037	2014	8	2		5.34	1	

Nr.	Referinta bibliografica a articolului care este citat i / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
3	Maintenance Modeling and Optimization for Wind Turbine Systems: A Review By: Ding, Fangfang; Tian, Zhigang; Jin, Tongdan Conference: International Conference on Quality, Reliability, Risk, Maintenance, and Safety Engineering Location: Emeishan, PEOPLES R CHINA Date: JUL 15-18, 2013 PROCEEDINGS OF 2013 INTERNATIONAL CONFERENCE ON QUALITY, RELIABILITY, RISK, MAINTENANCE, AND SAFETY ENGINEERING (QR2MSE), VOLS I-IV Book Series: International Conference on Quality Reliability Risk Maintenance and Safety Engineering Pages: 569-575 Published: 2013 wos:000394181000126	2013	8			2.67	1	
C12	ILIESCU, S.St., FĂGĂRĂȘAN, I., C. SOARE, D.ILISIU, F. BILIBOACA, Process Modelling for Load Frequency Control in Power Systems, Proceedings of the 2009 IEEE Bucharest Power Tech Conference, June 28th - July 2nd, Bucharest, Romania, ISBN: 978-1-4244-2235-7, pg.793-798. (proceeding indexat ISI: WOS:000276834600190, SCOPUS 78575)	2009			5	2.4	1	1
1	Title: Control Strategies for Power System in Island Operation. Authors: Máslo, Karel, and Zdeněk Hruška. Source: Vol. 2, No. 3, 2015, pp. 115-122, Published: 2015, Print ISSN: 2333-9136, Online ISSN: 2333-9144	2015	4			0.8		1
2	Title: Load-frequency control management in island operation Authors: Máslo, Karel, and Michal Kolcun. Source: Electric Power Systems Research 114 (2014): 10-20, ISSN: 0378-7796 wos:000337992000002	2014	8			1.6	1	
C13	ARGHIRA, N., D. ILISIU, I. FĂGĂRĂȘAN, S.St. ILIESCU, V.A. ASAN, Aspects Regarding Integration of Wind Power Plants into the Power System, 9th WSEAS International Conference On Power Systems (PS '09) Budapest, Hungary, September 3-5, 2009 pp. 127-131, ISSN: 1790-5117(proceeding indexat ISI: WOS:000273270400020, SCOPUS 79167- 1 citare) 2009	2009			5	3.2	2	0
1	Vilcu, Valentin. "Development of new protection solutions for the Renewable Energy Power Plants." 2015 Intl Aegean Conference on Electrical Machines & Power Electronics (ACEMP), 2015 Intl Conference on Optimization of Electrical & Electronic Equipment (OPTIM) & 2015 Intl Symposium on Advanced Electromechanical Motion Systems (ELECTROMOTION). IEEE, 2015. wos: 000382957000033	2015	8			1.6	1	

Nr.	Referinta bibliografica a articolului care este citat / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
2	Adaptive distance protection scheme for high resistance phase to phase faults on double-circuit transmission line By: Ciprian, Borascu Ionut; Ilescu, Sergiu Stelian Conference: 20th International Conference on System Controls and Computer Science 2015 Location: Univ Politehnica Bucharest, Bucharest, ROMANIA Date: MAY 27-29, 2015 Sponsor(s): IEEE Comp Soc; Romania Acad, Sci & Inform Technol Sect; IEEE Romania Sect; IEEE Romanian Chapter Comp Soc; Romanian Assoc Artificial Intelligence 2015 20TH INTERNATIONAL CONFERENCE ON CONTROL SYSTEMS AND COMPUTER SCIENCE Pages: 972-977 Published: 2015 WOS:000380375200142	2015	8			1.6	1	
C14	Fagarasan I, Ilescu S. St., Dumitru I, Arghira N, Bucur I Control System Simulator with PLC Proceedings of the 11th WSEAS International Conference on Sustainability in Science Engineering, May 27-29, 2009, Timisoara, Romania, pp 163-166, ISBN: 978-960-474-080-2, ISSN: 1790-2769, 2009 WOS:000269057100026	2009			5	0.8	0	1
1	The industrial process control simulator with Programmable Logic Control, N. - F. Oana - Carmen ; S. Valentin ; N. -F. Adrian, 2016 IEEE 11th International Symposium on Applied Computational Intelligence and Informatics (SACI), 10.1109/SACI.2016.7507385, WOS:000387119900050	2016	4			0.8		1
C15	Title: Parity equations for fault detection and isolation Author(s): I Fagarasan, S St Ilescu Source: Automation, Quality and Testing, Robotics, 2008. AQTR 2008. IEEE Pages: 99-103, Published: 2008	2008			2	18	2	2
1	Title: Fault detection and isolation of sensors in aeration control systems Authors: Carlsson, B., Zambrano, J. (2016) Water Science and Technology wos:000374396300024	2016	8			4		1
2	Title: Application of Structured and Directional Residuals for Fault Detection and Isolation on Permanent-Magnet DC Motor with Amplifier Author: Antic, Sanja, Zeljko Djurovic, and Goran Kvascev Source: Quality and Reliability Engineering International (2016). WOS: 000386913700034	2016	8	2		8	1	
3	Hybrid Methods for Detection and Identification of Faults in Dynamic Systems By: Martins, Rodrigo S.; Vale, Marcelo R. B. G.; Maitelli, Andre L. ASIAN JOURNAL OF CONTROL Volume: 17 Issue: 5 Pages: 1831-1847 Published: 2015 WOS: 000361186700030	2015	8			4	1	

Nr.	Referinta bibliografica a articolului care este citat / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
4	Title: Fault detection and isolation of a hybrid synchronous machine using parity equations Author(s): SS Butt, R Prabel, H Aschemann Source: Methods and Models in Automation and Robotics (MMAR), 2012 17th International Conference on Pages: 178 - 183 Published: Aug. 2012	2012	4			2		1
C16	Title: Modern approaches in power system control Author(s): SST Iliescu, I Fagarasan Source: Automation, Quality and Testing, Robotics, 2008. AQTR 2008. IEEE Pages: 41-44 Published: 2008	2008			2	8	1	0
1	Title: Co-Optimal Placement of Measurement Devices and Their Related Communication Infrastructure in Wide Area Measurement Systems Author(s): M Shahraeini, MS Ghazizadeh Source: Smart Grid, IEEE Transactions on Volume: 3 Issue: 2 Pages: 684 - 691 ISSN 1949-3053 Published: June 2012 wos:000325484200010	2012	8	2		8	1	
R11	ILIESCU S.St., Ioana FAGĂRĂȘAN, V. POPESCU C. SOARE. Gas Turbine Modelling for Load-Frequency Control, Scientific Bulletin, University POLITEHNICA Bucharest, Series C: Electrical Engineering, vol. 70, nr. 4, ISSN 1454-234X, 2008	2008			4	5	1	1
1	Title: A Detailed Governor-Turbine Model for Heavy-Duty Gas Turbines With a Careful Scrutiny of Governor Features Authors: Balaghi Enalou, H. , Abbasi Soreshjani, E. (2015) IEEE Transactions on Power Systems (Volume:30, Issue: 3) Page(s): 1435 - 1441, ISSN:0885-8950 wos: 000353641000032	2015	8	1		4	1	
2	Design of a Fuzzy PID controller for a gas turbine power plant Authors of DocumentKarande, A.S., Nigam, M.J., Kadam, V. Year the Document was Publish 2016 Source of the Document International Conference Communication, Control and Intelligent Systems, CCIS 2015	2016	4			1		1
R12	I. DUMITRACHE, ILIESCU S.St., TETA, P.S., FAGĂRĂȘAN Ioana , Towards Autonomous Control of Electrical Power Systems, Control Engineering and Applied Informatics, CEAI, Vol. 10, ISSN 1454-8658, pp. 15-22, 2008	2008			4	1	0	1

Nr.	Referinta bibliografica a articolului care este citat / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
1	MOCANU, ȘTEFAN, ADRIAN UNGUREANU, and RADU VARBANESCU. "Bike-Powered Electricity Generator." Asia Pacific Journal of Multidisciplinary Research 3.1 (2015).	2015	4			1		1
R13	I. FĂGĂRĂȘAN, S. St. ILIESCU, D. HOSSU. A comparison of model and signal based fault detection methods, Proceedings of the Romanian Academy -series A, Volume 9, Number 3 September - December 2008, Editura Academiei Romane, ISSN: 1454 – 8267, pg. 243-251 (revista indexata ISI: WOS:000261604300011, SCOPUS)	2008			3	5.36	1	1
1	Title: Wind turbine WTH continual variation of transmission ratio-design and testing methodology - Authors: Vasin, S., Ognjanović, M., Miloš, M. Proceedings of the Romanian Academy Series A - Mathematics Physics Technical Sciences Information Science 16 (2), pp. 152-159 wos:000357362300009	2015	8		3	2.68	1	
2	Title: Modeling of nonlinear system for a hydraulic process Authors: Calofir, V. UPB Scientific Bulletin, Series C: Electrical Engineering, 77 (2), pp. 111-122 wos:000421799900009	2015	8		1	2.68		1
R14	Fagarasan I., Costinas S., Iliescu S.St. Monitoring and diagnosis methods for high voltage power transformers (2008) UPB Scientific Bulletin, Series C: Electrical Engineering, 70 (3) . pp. 37-46.	2008			3	2.68	0	2
1	Izumi, F., "Chemically modified platinum screen-printed electrodes for electrochemical detection of acetylene." Microelectronics Technology and Devices (SBMicro), 2016 31st Symposium on. IEEE, 2016.	2016	4			1.34		1
2	UPB Scientific Bulletin, Series C: Electrical Engineering Volume 71, Issue 4, 2009, Pages 229-238 Experimental study on the large power transformer unit temperature variation Chiulan, T.a , Pantelimon, B.b	2009	4			1.34		1

Nr.	Referinta bibliografica a articolului care este citat / / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
R15	Niculescu-Faida O.-C., Iliescu S.-S., Fagarasan I., Niculescu-Faida A. Vehicle stability study on curved trajectory (2008) UPB Scientific Bulletin, Series C: Electrical Engineering, 70 (2) : pp. 121-132	2008			4	2	0	2
1	Qiche Gongcheng/Automotive Engineering Volume 34, Issue 10, October 2012, Pages 885-888 The determination of vehicle speed in evaluating the mobility of off-road vehicle Yao, M.a, He, J.b, He, R.a, Shang, G.a	2009	4			1		1
2	GEORGIEVA, Hristina, and Lilo KUNCHEV. "VEHICLE TRAJECTORY MODELING UNDER THE INFLUENCE OF LATERAL SLIDING." Proceedings of III International symposium of young researchers, TP. Vol. 14.	2015	4			1		1
R16	Title: Applications of fault detection methods to industrial processes Author(s): I Fagarasan, SST Iliescu Source: WSEAS Transactions on Systems Volume: 7 Issue:6 Pages: 812-821 Published: 2008	2008			2	22	1	8
1	Title: Fault detection in wind turbine system using wavelet transform: Multi-resolution analysis Author: T. Bakir, B. Boussaid ; R. Hamdaoui ; M. N. Abdelkrim ; C. Aubrun Source: 12th International Multi-Conference on Systems, Signals & Devices (SSD), 2015, Page(s):1 - 6, DOI: 10.1109/SSD.2015.7348223	2015	4			2		1
2	Title: Review of control and fault diagnosis methods applied to coal mills Author: V. Agrawal, B.K. Panigrahi, P.M.V. Subbarao Source: Journal of Process Control, Volume 32, August 2015, Pages 138–153, ISSN: 0959-1524 wos:000359166100014	2015	8	Q2		8	1	1
3	Title: Multiple observer design for a nonlinear Takagi-Sugeno system submitted to unknown inputs and outputs Authors: N BOUGUILA, W JAMEL, A KHEDHER, K BEN OTHMAN Journal: WSEAS Transaction on Systems Issue 5, Volume 2, May 2013, E-ISSN: 2224-2678 pg. 251-265	2013	4			2		1

Nr.	Referinta bibliografica a articolului care este citat / / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
4	Title: An Epistemological Decision Making Framework for Fault Diagnosis Author: Tarun Chopra Source: ULAB JOURNAL OF SCIENCE AND ENGINEERING VOL 4, NO 1 NOVEMBER 2013 (ISSN: 2079-4398)	2013	4			2		1
5	Title: Distinguishing profile deviations from a part's deformation using the maximum normed residual test Author(s): ALI AIDIBE, AS TAHAN, G ABENHAIM Source: WSEAS Transaction on applied and Theoretical Mechanics Volume: 7 Issue: 1 Pages: 18-28 Published: Jan 2012	2012	4			2		1
6	Title: Study upon a Wood Processing Automatic Machine Author: G. N. POPA, C.M. DINIS, S.I. DEACONU, A. IAGAR Source: RECENT ADVANCES in AUTOMATION & INFORMATION, page:189-194, ISSN:1790-5117, ISBN:978-960-474-193-9	2011	4			2		1
7	Title: An analyze on a wood processing automatic machine Author(s): GN Popa, CM Diniş, SI Deaconu, A Iagăr Source: WSEAS Transactions on Circuits and Systems archive Volume 10 Issue 3, March 2011 Pages 83-92 Published: 2011	2011	4			2		1
8	Title: Study upon a wood processing automatic machine Author(s): GN Popa, CM Diniş, SI Deaconu, A Iagăr Source: Proceeding ICA'10 Proceedings of the 11th WSEAS international conference on Automation & Information Pages 189-194 Published: Jan 2010	2010	4			2		1
R17	Title: Fault isolation based on wavelet transform Author(s): S Lesecq, S Gentil, I Fagarasan Source: Journal of Control Engineering and Applied Informatics 9 (3, 4), Pages: 51-58 Published: 2007	2007			3	5.32	0	4

Nr.	Referinta bibliografica a articolului care este citat / / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
1	Bakir, T., "Fault detection in wind turbine system using wavelet transform: Multi-resolution analysis." Systems, Signals & Devices (SSD), 2015 12th International Multi-Conference on. IEEE, 2015. Page(s): 1 - 6, INSPEC Accession Number: 15651883	2015	4			1.33		1
2	Bakir, T., "Qualitative diagnosis of wind turbine system based on wavelet transform." Sciences and Techniques of Automatic Control and Computer Engineering (STA), 2014 15th International Conference on. IEEE, 2014. Page(s): 405 - 410; INSPEC: 15058716	2014	4			1.33		1
3	Moussaoui, Ak. "Wavelet Transform And Envelope Detection For Gear Fault Diagnosis. A Comparative Study."	2013	4			1.33		1
4	Title: Fuzzy Logic PI Controller for a class of MIMO Nonlinear Systems Author(s): A El Ougli, I Boumhidi Source: ICGST-ACSE Journal, 9.1 (2009): 17-23.	2009	4			1.33		1
C15	Title: Advanced control of a steam generator Author(s): DG Andone, I Fagarasan, MR Dobrescu Source: Intelligent Systems, 2006 3rd International IEEE Conference on, Pages: 338-343. Published: 2006	2006			3	9.34	3	1
1	Title: Selection of Steam Drum Level Control Method for Multiple Drum Interacting Loops Pressure Tube-Type BWR Author(s): AJ Gaikwad, Jayan, P.K.; Bhartiya, S.; Kumar, R.; Lele, H.G.; Vaze, K.K. Source: Nuclear Science, IEEE Transactions on Volume: 58 Issue: 2 Pages: 479 - 489 ISSN: 00189499 Published: April 2011 wos:000289480500015	2011	8			2.67	1	
2	Title: Steam drum process dynamics and level control of a pressure tube BWR Author(s): Gaikwad, A.J., Vijayan, P.K., Bhartiya, S., Kumar, R., Lele, H.G., Sinha, R.K. Source: Kerntechnik 75 (6), pp. 352-362 ISSN: 09323902 Published: Nov 2010 wos:000284920200007	2010	8			2.67	1	

Nr.	Referinta bibliografica a articolului care este citat / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
3	Title: Effect of Loop Configuration on Steam Drum Level Control for a Multiple Drum Interconnected Loops Pressure Tube Type Boiling Water Reactor Author(s): AJ Gaikwad, PK Vijayan, K Iyer Source: Nuclear Science, IEEE Transactions on Volume: 56 Issue: 6 Pages: 3712 - 3725 ISSN: 00189499 Published: Dec. 2009 wos:000272605300014	2009	8			2.67	1	
4	Authors: Chakraborty, Sanjoy Kumar, Nilotpal Manna, and Surodh Dey. Title: Importance Of Three-Elements Boiler Drum Level Control And Its Installation In Power Plant. Source: International Journal of Instrumentation and Control Systems (IJICS) Vol.4, No.2, April 2014, 1-12	2014	4			1.33		1
B3	SOARE C., ILIESCU S.St., FĂGĂRĂȘAN Ioana, TUDOR V., FAIDA NICULESCU Oana - „Proiectarea asistată de calculator în Matlab și Simulink – Modelarea și simularea proceselor” Editura AGIR, București, ISBN 973-720-102-7, 191 pg., 2006 (editura acreditata- cod CNCIS:140), 2006	2006			5	1.6	0	1
1	ANGHELESCU, Sebastian. "REMEDY SIMULATION OF A MONO-PHASE FAULT ON A 110 KV AERIAL ELECTRIC POWER LINE WITH THE PURPOSE OF OBTAINING RESULTS APPLICABLE TO THE PROTECTION SYSTEM."	2014	4			0.8		1
2	TOMA, PETRICĂ DANIEL. "SIMULAREA PROCESULUI DE FILTRARE RAPIDĂ A APEI PE STRAT DE NISIP RAPID FILTRATION PROCESS SIMULATION OF WATER ON SAND LAYER." BULETINUL ȘTIINȚIFIC. 102.	2014	4			0.8		1
R18	FĂGĂRĂȘAN Ioana, ARSENE Patricia, ILIESCU S.St. - Fault detection and isolation of sensors faults using model based methods, Control Engineering and Applied Informatics, CEAI, Vol. 4, ISSN 1454-8658, pp. 37-46, 2002	2002			3	3.99	0	3

Nr.	Referinta bibliografica a articolului care este citat / / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI
1	Title: Some aspects about the application of on line diagnosis to heat exchangers from thermoelectric power plants Author: R Grigore, A Hazi Source: Transilvania University Press of Brasov, 2009	2009	4			1.33		1
2	Title: SOME CONSIDERATIONS ABOUT APPLICATION OF MODERN DIAGNOSIS TO COGENERATION PLANTS Author(s): Roxana GRIGORE 6TH INTERNATIONAL CONFERENCE ON ELECTROMECHANICAL AND POWER SYSTEMS, October 4-6, 2007 - Chisinau, Rep.Moldova , pages 373-376	2007	4			1.33		1
3	Title: CONSIDERATIONS ABOUT APPLICATION OF ADAPTIVE FAULT DETECTION SCHEMES TO A POWER PLANT Authors: BADEA ADRIAN, GRIGORE ROXANA Source: Modelling And Optimization In The Machines Building Field - MOCM, Number 12, Volume IV, ISSN: 1224-7480, 2006	2006	4			1.33		1
C17	Title: Bounding approach for fault detection and diagnosis Author(s): I Fagarasan, S Ploix, S Gentil Source: Proc. of IFAC Symposium Large scale Systems, Bucarest Pages: 121-127 Published: 2001	2001			3	3.99	0	3
1	Title: Fault Detection based on Orthotopic Set Membership Identification for Robot Manipulators Author(s): V Reppa, A Tzes Source: 17th IFAC World Congress, 2008 Pages: 7344-7349 Published: 2008	2008	4			1.33		1
2	Title: Fault detection using set membership identification for micro-electrostatic actuators Author(s): V Reppa, M Vagia, A Tzes Source: Control Applications, 2007. CCA 2007. IEEE International Conference on Pages: 789 - 794 Published: Oct. 2007	2007	4			1.33		1
3	Title: Application of set membership identification for fault detection of MEMS Author(s): V Reppa, A Tzes Source: Robotics and Automation, 2006. ICRA 2006. Proceedings 2006 IEEE International Conference on Pages: 643 - 648 Published: May 2006	2006	4			1.33		1

Nr.	Referinta bibliografica a articolului care este citat / Referinta bibliografica a articolului care citeaza k	anul publicarii	ISI 8 /BDI 4	Q1/Q2 revista in care este citarea	numar de autori articol citat /	Kpi	citare ISI	citare BDI	
C17	Title: Some aspects of the modeling and identification of cross-flow heat exchanger Author(s): SS Iliescu, P Arsene, I Fagarasan, I Secuiu, S Barbulea Source: Conference on Control Systems and Computer Science, CSCS 12, Pages: 121-127 .Published: 1999	1999			5	3.2	0	1	
1	Title: Analysis of Heat Transference in Regenerative Exchanger of a Thermal Power Plant Author(s): F Ortega, C Menéndez, J Ordieres Source: Ortega, F., "Analysis of Heat Transference in Regenerative Exchanger of a Thermal Power Plant." Neural Computing & Applications 9.3 (2000): 218-226.Published: 2000 wos:000090150400008	2000	8	Q1		3.2		1	
	TOTAL CITARI						461.76	90	106