

FIȘA DE VERIFICARE PRIVIND ÎNDEPLINIREA STANDARDDELOR MINIMALE

Conform OMENCS 6129 / 20.12.2016

COMISIA ELECTRONICĂ, TELECOMUNICAȚII ȘI NANOTEHNOLOGIE

Conf.dr. *COTFAS Petru Adrian*

Departamentul de Eelectronică și Calculatoare

Facultatea de Inginerie Electrică și Știința Calculatoarelor

Universitatea Transilvania din Brașov

Rezolutia Comisiei Științifice:

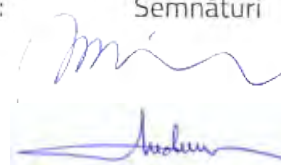
Membrii Comisiei Științifice:

- 1.Prof.dr. Mihai IVANOVICI
- 2.Prof.dr. Florin MOLDOVEANU
- 3.Prof.dr. Doru URSUTIU

Standardele sunt îndeplinite:

<input checked="" type="checkbox"/>	DA	<input type="checkbox"/>	NU
<input checked="" type="checkbox"/>	DA	<input type="checkbox"/>	NU
<input checked="" type="checkbox"/>	DA	<input type="checkbox"/>	NU

Semnături



DA D. Ursutiu

Centralizator condiții minimale profesor

Nr. Crt.	Domeniul de activitate	Condiții minimale profesor	Realizat	Subcategorii	Condiții minimale subcategorii	Realizat
1.	Activitatea didactică / profesională (A1)	100	162.499	A1.1.1-A1.1.2 Cărți de specialitate	1 carte	4 cărți 4 capitole de cărți 2 îndrumare de laborator
2.	Activitatea de cercetare (A2)	600	1512.531	A2.1 Articole în reviste cotate ISI și în volumele unor manifestări științifice indexate ISI proceedings.	15 din care minimum 3 în reviste cotate ISI Q1 sau Q2	25 in reviste ISI (12 în Q1 sau Q2) 28 proceedings
				A2.4.1 Granturi/proiecte de cercetare câștigate prin competiție (Director/Responsabil partener)	2	2 naționale 2 internaționale
3.	Recunoașterea impactului activității (A3)	150	845.903	Număr citări în cărți, reviste cotate ISI și în volume ale unor manifestări științifice ISI (WOS)	25	187
4.	Total	850	2520.933	2520.333		
5.				Factor de impact ISI cumulat pentru publicații	10	86.5 Reviste ISI 7 Conferinte ISI Total = 93.5

[Signature]

Universitatea Transilvania din Braşov
Facultatea IESC
Departamentul de Eelectronică şi Calculatoare

Poz. Postului: 8.
Disciplinele postului:
Instrumentaţie virtuală
Fizică
Achiziţia şi prelucrarea informaţiei,
instrumentaţie virtuală
Electronică

Fişa de verificare a îndeplinirii standardelor minime naţionale CNATDCU

Postul: Profesor (pe perioadă nedeterminată), poziţia 8,
publicat în Monitorul Oficial al României¹ nr. 306 din data de 15.04.2020

Candidat: Cotfas Petru Adrian Data naşterii 15.11.1974
Funcţia actuală: Conferenţiar Instituţia Universitatea Transilvania Braşov

Criteriul A1

Tip Criteriu	Criteriu / Descriere	Formula	Punctaj	Dovada
1.1.1.1	Carti/monografii/capitole in edituri internationale recunoscute, ca autor; cel putin 50 biblioteci din strainatate conform catalogului WorldCat			
	titluCe:Internet accessible remote laboratories : scalable E-learning tools for engineering and science disciplines/New Tools in Hardware and Software Design Applied for Remote Photovoltaic Laboratory editura:Hershey, Pa. IGI Global (701 E. Chocolate Avenue, Hershey, Pennsylvania, 17033, USA) isbn: 978-1613501863 AnAparitie:2011 NrAutori:5 TotalNrPagini:20 tipCarteCap:4	(100/5/4)	5	https://www.worldcat.org/title/internet-accessible-remote-laboratories-scalable-e-learning-tools-for-engineering-and-science-disciplines/oclc/1002224135&referer=brief_results
	titluCe:Chapter IX: PV Innovative Techniques and Experimental Test Sets editura:Nova Science Publishers, USA isbn:978-1-62417-741-5 AnAparitie:2013 NrAutori:2 TotalNrPagini:21 tipCarteCap:4	(100/2/4)	12.5	https://www.worldcat.org/title/renewable-energy-systems-theory-innovations-and-intelligent-applications/oclc/931077052&referer=brief_results
	titluCe:Online Engineering/Online Engineering in University Environment editura:Hauppauge, N.Y. : Nova Science, ©2009 isbn:978-1-60741-166-6 AnAparitie:2009 NrAutori:3 TotalNrPagini:45 tipCarteCap:4	(100/3/4)	8.333	https://www.worldcat.org/title/online-engineering/oclc/871799332&referer=brief_results
	TOTAL		25.833	
1.1.1.2.1	Carti/monografii/capitole in edituri internationale, care NU se regasesc in catalogul WorldCat, recunoscute ca autor			
	titluCe:NI ELVIS Computer-Based Instrumentation editura:NTS PRESS (National Technology and Science Press), USA isbn:978-1-934891-11-7 AnAparitie:2012 NrAutori:4 TotalNrPagini:192	(50/4)	12.5	http://www.ntspress.com/publications/ni-elvis-computer-based-instrumentation/
	TOTAL		12.5	

¹ Se completează numai în cazul posturilor pe perioadă nedeterminată.

1.1.1.2.2	Capitole in carti cu ISBN, in edituri internationale, care NU se regasesc in catalogul WorldCat, recunoscute ca autor				
	titluCc:Advances on remote laboratories and e-learning experiences/Chapter 7 "Graphical Programming and Remote Controlled Laboratories editura:Bilbao University of Deusto isbn:978-84-9830-662-0 AnAparitie:2007 NrAutori:3 TotalNrPagini:36	((50/3)/4)	4.166	https://www.worldcat.org/title/advances-on-remote-laboratories-and-e-learning-experiences/oclc/434495166&referer=brief_results	
	TOTAL		4.166		
1.1.2.1	Carti/monografii/capitole in edituri nationale recunoscute, ca autor				
	titluCc:Aliaje cu memoria formei editura:Universitatii Transilvania din Brasov isbn:978-973-598-934-7 AnAparitie:2011 NrAutori:5 TotalNrPagini:155	(50/5)	10	https://www.worldcat.org/title/aliaje-cu-memoria-formei/oclc/895392481&referer=brief_results	
	titluCc:Prelucrarea semnalelor. Aplicatii in LabVIEW editura:Lux Libris isbn:978-973-131-071-8 AnAparitie:2010 NrAutori:1 TotalNrPagini:141	(50/1)	50	Biblioteca Universitatii Transilvania din Brasov, http://193.254.231.112:8280/liberty/libraryHome.do	
	TOTAL		60		
1.2.1	Material didactic/Lucrari didactice - Manuale didactice				
	titluMm:Electromagnetism si electrotehnica editura:Universitatii Transilvania din Brasov isbn:973-635-299-4 AnAparitie:2004 NrAutori:2 TotalNrPagini:211	(40/2)	20	Biblioteca Universitatii Transilvania din Brasov, http://193.254.231.112:8280/liberty/libraryHome.do	
	titluMm:Fizica-Lucrări de laborator editura:Universitatii Transilvania din Brasov isbn:978-606-19-0457-0 AnAparitie:2014 NrAutori:2 TotalNrPagini:72	(40/2)	20	Biblioteca Universitatii Transilvania din Brasov, http://193.254.231.112:8280/liberty/libraryHome.do	
	titluMm:Fizica electronica: Lucrari de laborator editura: Reprografia Universitatii Transilvania din Brasov isbn: AnAparitie:2000 NrAutori:2 TotalNrPagini:91	(40/2)	20	Biblioteca Universitatii Transilvania din Brasov, http://193.254.231.112:8280/liberty/libraryHome.do	
	TOTAL		60		
TOTAL 1: 25.833 + 12.5 + 4.166 + 60 + 60			162.499		

2.1.1	Articole in reviste cotate ISI	Formula	Punctaj	An Index
1	titlu: Management and Performance Control Analysis of Hybrid Photovoltaic Energy Storage System Under Variable Solar Irradiation revista: Energies issn:19961073 isbn:- AnAparitie:2020 nrAutori:3 zona:alta	((25+30*2.702)/3)	35.353	https://doi.org/10.3390/en13123043 2020
2	titlu:Response of thermoelectric generators to Bi2Te3 and Zn4Sb3 energy harvester materials under variant solar radiation revista:Renewable Energy issn:09601481 isbn:- AnAparitie:2020 nrAutori:5 zona:Q1	((25+30*6.274)/5)	42.644	https://doi.org/10.1016/j.renewene.2019.08.080 2020
3	titlu:Determination of Technological Features of a Solar Photovoltaic Cell Made of Monocrystalline Silicon P+PNN+ revista:International Journal of Photoenergy issn:1110662X isbn:- AnAparitie:2019 nrAutori:6 zona:Q2	((25+30*2.026)/6)	14.2960	https://doi.org/10.1155/2019/7945683 2019
4	titlu:Comparative Study of Two Commercial Photovoltaic Panels under Natural Sunlight Conditions revista:INTERNATIONAL JOURNAL OF Photoenergy issn:1110662X isbn:- AnAparitie:2019 nrAutori:2 zona:Q2	((25+30*2.026)/2)	42.8900	https://doi.org/10.1155/2019/8365175 2019
5	titlu:Multiconcept methods to enhance photovoltaic system efficiency revista:International Journal of Photoenergy issn:1110662X isbn:- AnAparitie:2019 nrAutori:2 zona:Q2	((25+30*2.026)/2)	42.8900	https://doi.org/10.1155/2019/1905041 2019
6	titlu:Application of successive discretization algorithm for determining photovoltaic cells parameters revista:Energy Conversion and Management issn:01968904 isbn:- AnAparitie:2019 nrAutori:3 zona:Q1	((25+30*8.208)/3)	90.413	https://doi.org/10.1016/j.enconman.2019.06.037 2020

Loft

7	titlu:Experimental and numerical study on the transient behavior of multijunction solar cell-thermoelectric generator hybrid system revista:Energy Conversion and Management issn:01968904 isbn:- AnAparitie:2019 nrAutori:6 zona:Q1	((25+30*8.208)/6)	45.206	https://doi.org/10.1016/j.enconman.2019.01.081	2020
8	titlu:Transient behavior of concentrated solar oxide thermoelectric generator revista:Energy issn:03605442 isbn:- AnAparitie:2019 nrAutori:5 zona:Q1	((25+30*6.082)/5)	41.492	https://doi.org/10.1016/j.energy.2018.12.001	2020
9	titlu:Experimental and numerical investigation of hybrid concentrated photovoltaic-Thermoelectric module under low solar concentration revista:Energy issn:03605442 isbn:- AnAparitie:2018 nrAutori:5 zona:Q1	((25+30*6.082)/5)	41.492	WOS:000442973300096	2020
10	titlu:Solar Cell Capacitance Determination Based on an RLC Resonant Circuit revista:Energies issn:19961073 isbn:- AnAparitie:2018 nrAutori:5 zona:Q2	((25+30*2.702)/5)	21.212	WOS:000428304300200	2020
11	titlu:Study of Temperature Coefficients for Parameters of Photovoltaic Cells revista:International Journal of Photoenergy issn:1110662X isbn:- AnAparitie:2018 nrAutori:3 zona:ALTA	((25+30*1.88)/3)	27.133	WOS:000430439500001	2020
12	titlu:Leveraging Web Services and FPGA Dynamic Partial Reconfiguration in a Virtual Hardware Design Lab revista:International Journal of Engineering Education issn:0949149X isbn:- AnAparitie:2017 nrAutori:4 zona:ALTA	((25+30*0.653)/4)	11.1475	WOS:000400256600011	2017
13	titlu:Characterization of Photovoltaic-Thermoelectric-Solar Collector Hybrid Systems in Natural Sunlight Conditions revista:Journal of Energy Engineering issn:07339402 isbn:- AnAparitie:2017 nrAutori:4 zona:ALTA	((25+30*1.944)/4)	20.83	WOS:000418429100005	2017
14	titlu:Accelerated Life Test for Photovoltaic Cells Using Concentrated Light revista:International Journal of Photoenergy issn:1110662X isbn:- AnAparitie:2016 nrAutori:4 zona:ALTA	((25+30*1.88)/4)	20.35	WOS:000382068600001	2020
15	titlu:Design and implementation of RELab system to study the solar and wind energy revista:Measurement issn:02632241 isbn:- AnAparitie:2016 nrAutori:2 zona:Q2	((25+30*3.364)/2)	62.96	WOS:000386869600013	2020
16	titlu:Methods and techniques to determine the dynamic parameters of solar cells: Review revista:Renewable and Sustainable Energy Reviews issn:13640321 isbn:- AnAparitie:2016 nrAutori:3 zona:Q1	((25+30*12.11)/3)	129.433	WOS:000378671800016	2020
17	titlu:Monthly average daily global and diffuse solar radiation based on sunshine duration and clearness index for Brasov, Romania revista:Journal of Renewable and Sustainable Energy issn:19417012 isbn:- AnAparitie:2014 nrAutori:4 zona:ALTA	((25+30*1.575)/4)	18.0625	WOS:000344590600006	2020
18	titlu:A Simple Method to Increase the Amount of Energy Produced by the Photovoltaic Panels revista:International Journal of Photoenergy issn:1110662X isbn:- AnAparitie:2014 nrAutori:2 zona:ALTA	((25+30*1.88)/2)	40.7	WOS:000330673900001	2020
19	titlu:Methods to determine the dc parameters of solar cells: A critical review revista:Renewable and Sustainable Energy Reviews issn:13640321 isbn:- AnAparitie:2013 nrAutori:3 zona:Q1	((25+30*12.11)/3)	129.433	WOS:000328868700048	2020
20	titlu:Crop albedo measurements after anthesis reveal significant differences among romanian wheat cultivars revista:Romanian Agricultural Research issn:12224227 isbn:- AnAparitie:2012 nrAutori:3 zona:ALTA	((25+30*0.347)/3)	11.803	WOS:000311919300006	2020
21	titlu:SIGNIFICANT DIFFERENCES IN CROP ALBEDO AMONG ROMANIAN WINTER WHEAT CULTIVARS revista:Romanian Agricultural Research issn:12224227 isbn:- AnAparitie:2011 nrAutori:3 zona:ALTA	((25+30*0.516)/3)	13.493	WOS:000297668900002	2011
22	titlu:Wireless system for monitoring the solar radiation revista:Environmental Engineering and Management Journal issn:15829596 isbn:- AnAparitie:2011 nrAutori:5 zona:ALTA	((25+30*1.004)/5)	11.024	WOS:000296758300020	2011
23	titlu:The characterization of the catalytic materials using the kinetic transient stage revista:Metallurgia International issn:15822214 isbn:- AnAparitie:2011 nrAutori:6 zona:ALTA	((25+30*0.134)/4)	7.255	WOS:000289186700011	2012
24	titlu:Decarburization Study for Bearing Steel Using Barkhausen Noise revista:Metallurgia International issn:15822214 isbn:- AnAparitie:2009 nrAutori:4 zona:ALTA	((25+30*0.134)/4)	7.255	WOS:000269587900011	2012
25	titlu:Results on series and shunt resistances in a c-Si PV cell. Comparison using existing methods and a new one revista:Journal Of Optoelectronics And Advanced Materials issn:14544164 isbn:- AnAparitie:2008nrAutori: 4 zona:ALTA	((25+30*0.631)/4)	10.9285	WOS:000344590600006	2008

Total = 939.7

	Formula	Punctaj	Dovada
titlu:Design and deployment of reconfigurable hardware using Web Services revista:RoEduNet Conference 13th Edition; Networking in Education and Research Joint Event RENAM 8th Conference. 2014. IEEE XPLORE. Doi 10.1109/RoEduNet-RENAM.2014.6955295 issn:- isbn:- AnAparitie:2014 nrAutori:5 nivelProceedingISI:0.25	((25+30*0.25)/5)	6.5	WOS:000374588700003
titlu:General physics remote laboratory based on the NI ELVIS platform and Moodle revista:11th International Conference On Remote Engineering And Virtual Instrumentation - REV2014 issn: isbn:- AnAparitie:2014 nrAutori:4 nivelProceedingISI:0.25	((25+30*0.25)/4)	8.125	WOS:000353337400029
titlu:RELab - virtual laboratory of the renewable energy revista:10th International Conference on Remote Engineering and Virtual Instrumentation (REV) Location: Sydney, AUSTRALIA issn: isbn:- AnAparitie:2013 nrAutori:4 nivelProceedingISI:0.25	((25+30*0.25)/4)	8.125	WOS:000395527700015
titlu:Mobile virtual laboratory for renewable energy revista:10th International Conference on Remote Engineering and Virtual Instrumentation (REV) Location: Sydney, AUSTRALIA issn: isbn:- AnAparitie:2013 nrAutori:3 nivelProceedingISI:0.25	((25+30*0.25)/3)	10.833	WOS:000395527700010
titlu:The study of the photovoltaic cells parameters in concentrated sunlight revista:Optimization of Electrical and Electronic Equipment (OPTIM2014),IEEEExplore issn: isbn:- AnAparitie:2014 nrAutori:6 nivelProceedingISI:0.25	((25+30*0.25)/6)	5.416	WOS:000343551300104
titlu:The methods to determine the series resistance and the ideality factor of diode for solar cells-review revista:Optimization Of Electrical And Electronic Equipment OPTIM2012 IEEEExplore issn: isbn:- AnAparitie:2012 nrAutori:4 nivelProceedingISI:0.25	((25+30*0.25)/4)	8.125	WOS:000398866700145
titlu:Investigation of the photovoltaic cell/thermoelectric element hybrid system performance revista: ICIR EUROINVENT 2016 Book Series: IOP Conference Series-Materials Science and Engineering issn: isbn:- AnAparitie:2016 nrAutori:4 nivelProceedingISI:0.25	((25+30*0.25)/4)	8.125	WOS:000391140000037
titlu:PV cells test bench system with remote access trough Internet revista:Optimization Of Electrical And Electronic Equipment OPTIM 2012 BDI:IEEEExplore issn: isbn:- AnAparitie:2012 nrAutori:4 nivelProceedingISI:0.25	((25+30*0.25)/4)	8.125	WOS:000398866700156
titlu:Remote SoC/FPGA platform configuration for cloud applications revista:Optimization of Electrical and Electronic Equipment (OPTIM2014),IEEEExplore issn: isbn:- AnAparitie:2014 nrAutori:5 nivelProceedingISI:0.25	((25+30*0.25)/5)	6.5	WOS:000343551300121
titlu:TRIZ method and remote engineering approach revista:Global Engineering Education Conference (EDUCON2013) issn: isbn:- AnAparitie:2013 nrAutori:4 nivelProceedingISI:0.25	((25+30*0.25)/4)	8.125	WOS:000327180400001
titlu:Remote experiment and correlation with innovation process revista:15th International Conference on Interactive Collaborative Learning (ICL), Villach issn: isbn:978-1-4673-2425-0 AnAparitie:2012 nrAutori:4 nivelProceedingISI:0.25	((25+30*0.25)/4)	8.125	WOS:000335746300047
titlu:Current-Voltage Characteristic Raising Techniques for Solar Cells, Comparisons and Applications revista:Optimization of Electrical and Electronic Equipment (OPTIM), 2010, IEEEExplore issn: isbn:978-1-4244-7019-8 AnAparitie:2010 nrAutori:4 nivelProceedingISI:0.25	((25+30*0.25)/4)	8.125	WOS:000291967300167
titlu:Modelling and PSPICE simulation of a photovoltaic/thermoelectric system revista:International Symposium for Design and Technology in Electronic Packaging (SIITME) issn: isbn:- AnAparitie:2016 nrAutori:3 nivelProceedingISI:0.25	((25+30*0.25)/3)	10.833	WOS:000390557400037
titlu:FPGA-enabled hardware multitasking applications in energy harvesting laboratories revista:International Symposium for Design and Technology in Electronic Packaging (SIITME) issn: isbn:978-1-5090-4445-0 AnAparitie:2016 nrAutori:3 nivelProceedingISI:0.25	((25+30*0.25)/3)	10.833	WOS:000390557400017
titlu:Study of combined photovoltaic cell/thermoelectric element/solar collector in medium concentrated light revista:IEEEExplore, Optimization of Electrical and Electronic Equipment (OPTIM) & amp; amp; amp; 2017 Intl Aegean	((25+30*0.25)/4)	8.125	WOS:000426909600114

Conference on Electrical Machines and Power Electronics (ACEMP) issn: isbn:- AnAparitie:2017 nrAutori:4 nivelProceedingISI:0.25			
titlu: System design to study hybrid systems in concentrated light using Fresnel lens revista: IEEE Xplore .2017 International Conference On Optimization Of Electrical And Electronic Equipment (Optim) & amp; amp; amp; 2017 Intl Aegean Conference On Electrical Machines And Power Electronics (ACEMP) issn: isbn:- AnAparitie:2017 nrAutori:4 nivelProceedingISI:0.25	((25+30*0.25)/4)	8.125	WOS:000426909600115
titlu: Implementing a Remote Laboratory on a Chip revista: IEEE 23RD International Symposium For Design And Technology In Electronic Packaging (SIITME) issn: isbn:- AnAparitie:2017 nrAutori:4 nivelProceedingISI:0.25	((25+30*0.25)/4)	8.125	WOS:000428032300031
titlu: Remote Laboratories Based On Labview Web Services revista: International Conference on Education and New Learning Technologies (EDULEARN) issn:23401117 isbn:978-84-608-8860-4 AnAparitie:2016 nrAutori:3 nivelProceedingISI:0.25	((25+30*0.25)/3)	10.833	WOS:000402955903115
titlu: Graphical System Design Approach in Photovoltaic Energy Laboratories revista: 21st IEEE International Symposium for Design and Technology in Electronic Packaging (SIITME) issn: isbn:- AnAparitie:2015 nrAutori:2 nivelProceedingISI:0.25	((25+30*0.25)/2)	16.25	WOS:000377765500073
titlu: Simulated, Hands-on and Remote Laboratories for Studying the Solar Cells revista: Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP) / Intl Conference on Optimization of Electrical and Electronic Equipment (OPTIM) / Intl Symposium on Advanced Electromechanical Motion Systems (ELECTROMOTION) issn: isbn:- AnAparitie:2015 nrAutori:3 nivelProceedingISI:0.25	((25+30*0.25)/3)	10.833	WOS:000382957000037
titlu: Ageing of Photovoltaic Cells Under Concentrated Light revista: Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP) / Intl Conference on Optimization of Electrical and Electronic Equipment (OPTIM) / Intl Symposium on Advanced Electromechanical Motion Systems (ELECTROMOTION) issn: isbn:- AnAparitie:2015 nrAutori:5 nivelProceedingISI:0.25	((25+30*0.25)/5)	6.5	WOS:000382957000093
titlu: Remote Controlled Robot for Automatic Measurements in Concentrated Sun revista: International Conference on Remote Engineering and Virtual Instrumentation (REV) Location: Sydney, AUSTRALIA issn: isbn:- AnAparitie:2013 nrAutori:8 nivelProceedingISI:0.25	((25+30*0.25)/8)	4.062	WOS:000395527700022
titlu: Temperature monitoring and control with cloud instrumentation revista: 17th Annual Scientific Conference on Web Technology, New Media Communications and Telematics Theory Methods, Tools and Applications Location: Bucharest issn: isbn:- AnAparitie:2012 nrAutori:5 nivelProceedingISI:0.25	((25+30*0.25)/5)	6.5	WOS:000394560300002
titlu: A brain-computer interface based on the integration of NI myRIO development device and NeuroSky Mindwave headset revista: 8TH INTERNATIONAL CONFERENCE ON ADVANCED CONCEPTS IN MECHANICAL ENGINEERING issn:17578981 isbn:- AnAparitie:2018 nrAutori:4 nivelProceedingISI:0.25	((25+30*0.25)/4)	8.125	WOS:000467443600050
titlu: Using the genetic algorithm to determine the parameters of photovoltaic cells and panels revista: 2018 13TH INTERNATIONAL SYMPOSIUM ON ELECTRONICS AND TELECOMMUNICATIONS (ISETC) issn:2475787X isbn:978-1-5386-5925-0 AnAparitie:2018 nrAutori:3 nivelProceedingISI:0.25	((25+30*0.25)/3)	10.833	WOS:000463031500021
titlu: Correlation between pulse level and temperature in a gas flow meter revista: 15th International Conference on Experimental Mechanics (ICEM) issn:000000 isbn:978-972-8826-26-0 AnAparitie:2012 nrAutori:4 nivelProceedingISI:0.25	((25+30*0.25)/4)	8.125	WOS:000320722901118
titlu: E-learning methodology in Taxonomy revista: 4th Balkan Region Conference on Engineering Education and MSE issn:000000 isbn:- AnAparitie:2007 nrAutori:3 nivelProceedingISI:0.25	((25+30*0.25)/3)	10.833	WOS:000252197800015
titlu: Non-ideal liquid solutions modeling by means of integral methods revista: International Conference on Integral Methods in Science and Engineering issn:000000 isbn:1-58488-146-1 AnAparitie:1998 nrAutori:4 nivelProceedingISI:0.25	((25+30*0.25)/4)	8.125	WOS:000086825700056
TOTAL		241.309	

Lothar

2.2 Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI)

titlu:Measurements in Concentrated Sun using a Remote Controlled Robot revista:International Journal of Online Engineering BDII:Scopus issn:18612121 isbn:- AnAparitie:2013 Autori:8 nivel:Neevaluat	(20/[8])	2.5
titlu:Tester for photovoltaic charger using NI cRIO revista:REV2012 - Remote Engineering & Virtual Instrumentation, Bilbao BDII:IEEE Xplore issn:00000000 isbn:- AnAparitie:2012 Autori:4 nivel:Neevaluat	(20/[4])	5
titlu:Energy balance for different positions of photovoltaic panels revista:REV2012 - Remote Engineering & Virtual Instrumentation, Bilbao BDII:IEEE Xplore issn:00000000 isbn:- AnAparitie:2012 Autori:4 nivel:	(20/[4])	5
titlu:Improvements on Photovoltaic Cells Test Bench System revista:Journal of Engineering Science and Technology Review BDII:Scopus issn:17912377 isbn:- AnAparitie:2012 Autori:4 nivel:Neevaluat	(20/[4])	5
titlu:Embedded system for mini solar vehicle revista:REV2012 - Remote Engineering & Virtual Instrumentation, Bilbao BDII:IEEE Xplore issn:00000000 isbn:- AnAparitie:2012 Autori:3 nivel:Neevaluat	(20/[3])	6.666
titlu:Tensile testing machine based on virtual instrumentation revista:REV2012 - Remote Engineering & Virtual Instrumentation, Bilbao BDII:IEEE Xplore issn:00000000 isbn:- AnAparitie:2012 Autori:4 nivel:Neevaluat	(20/[4])	5
titlu:Quantitative approaches remote experiment design revista:REV2012 - Remote Engineering & Virtual Instrumentation, Bilbao BDII:IEEE Xplore issn:00000000 isbn:- AnAparitie:2012 Autori:5 nivel:Neevaluat	(20/[5])	4
titlu:Multifunction iLab Implemented Laboratory revista:Global Engineering Education Conference Educon, Amman BDII:IEEE Xplore issn:00000000 isbn:- AnAparitie:2011 Autori:7 nivel:Neevaluat	(20/[7])	2.857
titlu:WEB Instruments revista:Education Engineering (EDUCON), 2010 IEEE BDII:IEEE Xplore issn:00000000 isbn:- AnAparitie:2010 Autori:6 nivel:Neevaluat	(20/[6])	3.333
titlu:Methods of the quality assurance applied at the remote laboratory selection revista:Education Engineering (EDUCON), 2010 IEEE BDII:IEEE Xplore issn:00000000 isbn:978-1-4244-6568- 2 AnAparitie:2010 Autori:5 nivel:Neevaluat	(20/[5])	4
titlu:Remote Laboratory in Photovoltaics revista:International Journal of Online Engineering BDII:DBLP issn:18612121 isbn:- AnAparitie:2009 Autori:4 nivel:Neevaluat	(20/[4])	5
titlu:Web Development Techniques and Remote Laboratories revista:International Journal of Online Engineering (iJOE) BDII:DBLP issn:18612121 isbn:- AnAparitie:2009 Autori:5 nivel:	(20/[5])	4
titlu:Designing and Performance Evaluation for an Indoor Location and Tracking System revista:International Journal of Online Engineering BDII:DBLP issn:18612121 isbn:- AnAparitie:2006 Autori:2 nivel:Neevaluat	(20/[2])	10
titlu:FPGA LABVIEW PROGRAMMING, MONITORING AND REMOTE CONTROL revista:International Journal of Online Engineering, i-JOE-Vol.5-Nr.2 BDII:DBLP issn:18612121 isbn:- AnAparitie:2009 Autori:4 nivel:Neevaluat	(20/[4])	5
titlu:SELF GROWING REMOTE CONTROLLED LABORATORY revista:International Journal of Online Engineering, iJOE-Nr.2- pp.1-5 BDII:DBLP issn:18612121 isbn:- AnAparitie:2006 Autori:3 nivel:Neevaluat	(20/[3])	6.666
titlu:The Wireless Albedometer revista:Journal of Engineering Science and Technology BDII:Scopus issn:17912377 isbn:- AnAparitie:2012 Autori:2 nivel:Neevaluat	(20/[2])	10
titlu:Performance evaluation of a high-temperature thermoelectric generator under different solar concentrations revista:Energy Procedia BDII:Science Direct issn:18766102 isbn:- AnAparitie:2018 Autori:5 nivel:Neevaluat	(20/[5])	4
titlu: Virtual keyboard based on a brain-computer interface revista: IOP Conf. Series: Materials Science and Engineering 514, 012020, isbn:- AnAparitie:2019 nrAutori:5	(20/5)	4
titlu: Virtual robot arm controlled by hand gestures via Leap Motion Sensor revista: IOP Conf. Series: Materials Science and Engineering 514, 012021,AnAparitie:2019 nrAutori: 5	(20/5)	4

Boh

TOTAL ISI: 939.7 + 241.309 + 96.022		TOTAL	96.022
			1277.031
2.3.1	Proprietate intelectuală, brevete de invenție, certificate ORDA - internaționale titlu: Autolab Software Development Kit (Autolab SDK) număr: 2008 nrAutori: 2 AnApariție: 2008	(35/[2])	17.5
		TOTAL	17.5
2.4.1.	Granturi/proiecte castigate prin competitie internațională ca Director/responsabil		
1	titlu: The study of the rapid variation effect of concentrated light over the photovoltaic cells perioada: 20192019 finanțator: Solar Facilities for the European Research Area - Third Phase (SFERA III) within the framework of H2020 NrContract: 823802 NrAniDerulare: 1	(20*[1])	20
	titlu: The photovoltaic cells under concentrated light transient conditions study perioada: 20202020 finanțator: Solar Facilities for the European Research Area - Third Phase (SFERA III) within the framework of H2020 NrContract: 823802 NrAniDerulare: 1	(20*[1])	20
		TOTAL	40
2.4.1.	Granturi/proiecte castigate prin competitie națională ca Director/responsabil		
2	titlu: 1. Cercetări privind realizarea unei noi clase de aliaje (Al-Cu-Mn) și realizarea unui standard de oboseală termomecanică destinat aliajelor cu memoria formei, perioada: 20082011 finanțator: Centrul Național de Management Programe NrContract: 72161/1.10.2008 NrAniDerulare: 3	(10*[3])	30
	titlu: Cercetări privind aplicarea instrumentației virtuale ca metodă de măsurare, testare și control perioada: 20022003 finanțator: Ministerul Educației și Cercetării NrContract: 301/2002 NrAniDerulare: 2 http://www.google.ro/url?sa=t&rct=j&q=&esrc=s&source=web&cd=4&cad=rja&uact=8&ved=0CDIQFjAD&url=http%3A%2F%2Fuefisedi.gov.ro%2Fuserfiles%2FFile%2FCompetitii%2520derulare%2FRez_2002_AT.htm&ei=w7M7VdSfL_YzyUlj1gJgF&usq=AFQjCNH3Pg3PnbjOP7hu0xasmrRpEMo-8g&sig2=0KtqxOeOwajoYfrUTpw0HA&bvm=bv.91665533,d.d24	(10*[2])	20
		TOTAL	50
2.4.2.	Granturi/proiecte castigate prin competitie internațională - membru în echipă		
1	titlu: 1. The study of the evolution of the photovoltaic cells parameters during the ageing process using the concentrated light and the temperature, (2014) Sfera II perioada: 20142014 finanțator: CORDIS FP7-INFRASTRUCTURES NrContract: 312643/2014 NrAniDerulare: 1	(4*[1])	4
	titlu: Industrial Cooperation and creative engineering education based on remote engineering and virtual instrumentation-ICo-op perioada: 2013 finanțator: TEMPUS IV, EACEA N° 25/2011 NrContract: - NrAniDerulare: 1	(4*[1])	4
	titlu: Magnetic Sorting and Ultrasound Sensor Technologies for Production of High Purity Secondary Polyolefins from Waste perioada: 20092011 finanțator: FP7 NrContract: 212782, topic: ENV-2007-3.1.3-02 NrAniDerulare: 3	(4*[3])	12
	titlu: Improving the performances of new nanostructures processed by laser techniques for use in concentrated light applications perioada: 2013 finanțator: CORDIS FP7-INFRASTRUCTURES NrContract: SFERA I NrAniDerulare: 1	(4*[1])	4
	titlu: Evaluation of the solar concentrated charger possibilities in very fast charging of supercapacitors perioada: 2013 finanțator: CORDIS FP7-INFRASTRUCTURES NrContract: SFERA I NrAniDerulare: 1	(4*[1])	4
	titlu: 6. TARET_IP_AP_NALLP_AT-2007 Training in advanced Remote Engineering Technologies perioada: 20072008 finanțator: ERASMUS NrContract: 29298-IC-1-AT-Erasmus-1 IPUC-1/2-Minerva NrAniDerulare: 2	(4*[2])	8
	titlu: Formarea Profesională a Cadrelor Didactice din Învățământul Preuniversitar pentru noi Oportunități de Dezvoltare în Carieră perioada: 20102012 finanțator: UE FSE NrContract: POSDRU/57/1.3/S/32629 NrAniDerulare: 3	(4*[3])	12

Det

	titlu: The ageing time evolution of the solar cells in function of the concentrated light levels perioada: 20152015 finantator: CORDIS FP7-INFRASTRUCTURES NrContract: 312643 NrAniDerulare: 1	(4*[1])	4
	titlu: Proiectul Erasmus-MARE-29298-IC-1-2004-AT-ERASMUS-EUC-1-« JOINT EUROPEAN MASTER STUDY PROGRAM REMOTE ENGINEERING » valoare 23.174 EURO perioada: 20052007 finantator: EU Erasmus NrContract: MARE-29298-IC-1-2004-AT-ERASMUS-EUC-1 NrAniDerulare: 3	(4*[3])	12
	titlu: Socrates-Minerva "VIRTUAL MENTOR-VIRTUAL TRAINING. RESOURCES AND METHODOLOGY" Nr. 100816-CP-1-2002-1-ES-Minerva-M. valoare: 29.968,9 EURO perioada: 20022004 finantator: EU Socrates-Minerva NrContract: 100816-CP-1-2002-1-ES-Minerva-M NrAniDerulare: 3	(4*[3])	12
	titlu: TEMPUS-S-JEP-12536-97 intitulat: »CENTRE DE VALORISATION ET TRANSFERT DE COMPETENCES (CVTC) » valoare: 305.000 EURO; perioada: 19982001 finantator: EU NrContract: TEMPUS-S-JEP-12536-97 NrAniDerulare: 3	(4*[3])	12
	titlu: Study of combined photovoltaic cell/thermoelectric element/solar collector in medium and highly concentrated light perioada: 20162016 finantator: CORDIS FP7-INFRASTRUCTURES NrContract: 312643 NrAniDerulare: 1	(4*[1])	4
	titlu: Standalone High Frequency Impedance Analyser perioada: 20082008 finantator: EcoChimie B.V. NrContract: 1.09.07 NrAniDerulare: 1	(4*[1])	4
	TOTAL		96
2.4.2.	Granturi/proiecte castigate prin competitie nationala - membru in echipa		
2	titlu: Tehnologii de precipitare dispersă în stare solidă, la nivel nanometric, folosind câmpuri termice cu cicluri staționare și tranzitorii alternante perioada: 20082011 finantator: Centrul National de Management Programe NrContract: 72163/1.10.2008 NrAniDerulare: 3	(2*[3])	6
	titlu: Cercetari avansate de corelatie a tehnologiilor nanometrice cu ingineria suprafetelor si crearea unei noi generatii de instalatii multifunctionale THIN FILMS-CEEX 101 perioada: 20062008 finantator: AMCSIT NrContract: CEEX 101 NrAniDerulare: 3	(2*[3])	6
	titlu: Instalatie si tehnologie pentru uscarea in vid si polimerizarea hidrostatica sub compund a izolatiei barelor stator pentru turbogeneratoare INTEPOL-INOVARE perioada: 20072009 finantator: AMCSIT NrContract: nr. 130/2007 NrAniDerulare: 3	(2*[3])	6
	titlu: Tehnologii avansate utilizand senzori de proces pentru obtinerea de straturi rezistente la uzura, coroziune si oboseala perioada: 20062008 finantator: AMCSIT NrContract: CEEX 152-CARTE NOMINE perioada: 20062008 finantator: AMCSIT NrContract: CEEX 152-CARTE NOMINE NrAniDerulare: 3	(2*[3])	6
	titlu: Cercetări asupra sistemelor solare hibride fotovoltaice/termoelectrice/termice PV/TEG/STC perioada: 20152017 finantator: UEFISCDI NrContract: 135/1.10.2015 NrAniDerulare: 2	(2*[2])	4
	titlu: Sistem nou automatizat bazat pe biosenzori pentru monitorizarea procesului de vinificare si evaluarea riscului alergenice de-a lungul lantului tehnologic de productie a vinurilor - SENS WINE perioada: 20172018 finantator: UEFISCDI NrContract: 32/2017 NrAniDerulare: 2	(2*[2])	4
	TOTAL		32
	TOTAL General: 40+ 50 + 96 +32		218
	TOTAL 2: 1277.031+ 17.5 + 218		1512.531

3.1.1	Citari in carti, reviste si volume ale unor manifestari stiintifice - ISI		
	titlucitat: Methods to determine the dc parameters of solar cells: A critical review issncitat: 13640321 titlu: Photovoltaics literature survey (No. 106) revista: Progress in Photovoltaics: Research and Applications issnciteaza: 1099159X AnAparitie: 2013 nrAutori: 3 zonaCitare: 2 http://onlinelibrary.wiley.com/doi/10.1002/pip.2447/pdf	(8/[3]*[2])	5.333

titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:Explicit Expressions for Solar Panel Equivalent Circuit Parameters Based on Analytical Formulation and the Lambert WFunction revista:Energies issnciteaza:19961073 AnAparitie:2014 nrAutori:3 zonaCitare:2 http://www.mdpi.com/1996-1073/7/7/4098	(8/[3]*[2])	5.333 WOS:000339989200004
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:Accuracy comparison between implicit and explicit single-diode models of photovoltaic cells and modules revista:Acta Physica Sinica issnciteaza:10003290 AnAparitie:2014 nrAutori:3 zonaCitare:1 http://wulixb.iphy.ac.cn/EN/abstract/abstract60810.shtml	(8/[3]*[1])	2.666 WOS:000341429400050
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:Exact analytical analysis of current density-voltage curves of dye-sensitized solar cells revista:Solar Energy issnciteaza:0038092x AnAparitie:2015 nrAutori:3 zonaCitare:2 http://www.sciencedirect.com/science/article/pii/S0038092X15001243	(8/[3]*[2])	5.333 WOS:000355043600035
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:Direct analysis of the current density vs. voltage curves of a CdTe module during outdoor exposure revista:Solar Energy issnciteaza:0038092X AnAparitie:2015 nrAutori:3 zonaCitare:2 http://www.sciencedirect.com/science/article/pii/S0038092X14005921	(8/[3]*[2])	5.333 WOS:000350937900010
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:PEIE capped ZnO as cathode buffer layer with enhanced charge transfer ability for high efficiency polymer solar cells revista:Synthetic Metals issnciteaza:03796779 AnAparitie:2015 nrAutori:3 zonaCitare:2 http://www.sciencedirect.com/science/article/pii/S0379677915000880	(8/[3]*[2])	5.333 WOS:000353097600034
titlucitat:LabVIEW controlled NI-ELVIS web interface issncitat:00000000 titlu:Expanding the Boundaries of the Classroom Implementation of Remote Laboratories for Industrial Electronics Disciplines revista:Industrial Electronics Magazine, IEEE issnciteaza:19324529 AnAparitie:2013 nrAutori:5 zonaCitare:1 http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6482291	(8/[5]*[1])	1.6 WOS:000318227400007
titlucitat:A new albedometer based on solar cells issncitat:00000000 titlu:Transferring Useful Rye Genes to Wheat, Using Triticale as a Bridge revista:Czech J. Genet. Plant Breed. issnciteaza:12121975 AnAparitie:2011 nrAutori:5 zonaCitare:1 http://www.agriculturejournals.cz/publicFiles/48951.pdf	(8/[5]*[1])	1.6 WOS:000297536300010
titlucitat:PV cells test bench system with remote access trough Internet issncitat:00000000 titlu:Novel design and development of advanced remote electronics experiments revista:Computer Applications in Engineering Education issnciteaza:10990542 AnAparitie:2014 nrAutori:4 zonaCitare:1 http://onlinelibrary.wiley.com/doi/10.1002/cae.21602/abstract	(8/[4]*[1])	2 WOS:000353042700001
titlucitat:Results on series and shunt resistances in a c-Si PV cell. Comparison using existing methods and a new one issncitat:14544164 titlu:A Simple and Accurate Parameter Identification Technique for Two Diode Six Parameter Photovoltaic Model revista:Aust. J. Basic & Appl. Sci., 8(13) issnciteaza:19918178 AnAparitie:2014 nrAutori:4 zonaCitare:1 http://ajhasweb.com/old/ajbas/2014/August/171-179.pdf	(8/[4]*[1])	2
titlucitat:Wireless system for monitoring the solar radiation issncitat:15829596 titlu:Optimization of energy saving for wireless sensor networks revista:Environmental Engineering and Management Journal issnciteaza:15829596 AnAparitie:2014 nrAutori:5 zonaCitare:1 http://omicron.ch.tuiasi.ro/EEMJ/pdfs/vol13/no5/3_1046_Huang_13.pdf	(8/[5]*[1])	1.6 WOS:000340483300004

titlucitat:The methods to determine the series resistance and the ideality factor of diode for solar cells-review issncitat:00000000 titlu:Explicit Expressions for Solar Panel Equivalent Circuit Parameters Based on Analytical Formulation and the Lambert WFunction revista:Energies issnciteaza:19961073 AnAparitie:2014 nrAutori:4 zonaCitare:2	(8/[4]*[2])	4WOS:0003 399892000 04
titlucitat:WEB Instruments issncitat:00000000 titlu:Real-Time Remote Access Laboratory with Distributed and Modular Design revista:Industrial Electronics, IEEE Transactions on issnciteaza:02780046 AnAparitie:2014 nrAutori:6 zonaCitare:2	(8/[6]*[2])	2.666WOS:0003 544536000 29
titlucitat:The use of computers to address diverse learning styles in chemical instruction issncitat:00000000 titlu:Thinking style, browsing primes and hypermedia navigation revista:Computers & Education issnciteaza:03601315 AnAparitie:2007 nrAutori:4 zonaCitare:2	(8/[4]*[2])	4WOS:0002 478528000 22
titlucitat:Self growing remote controlled laboratory issncitat:18612121 titlu:Multifunctional Remote Laboratory for Education in Automatic Control: The CrAutoLab Experience revista:IEEE Transactions on Industrial Electronics issnciteaza:02780046 AnAparitie:2008 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333WOS:0002 564042000 17
titlucitat:A simple method to increase the amount of energy produced by the photovoltaic panels issncitat:1687529X titlu:Evaluation of Fuzzy Logic Subsets Effects on Maximum Power Point Tracking for Photovoltaic System revista:International Journal of Photoenergy issnciteaza:1687529X AnAparitie:2014 nrAutori:2 zonaCitare:1	(8/[2]*[1])	4WOS:0003 442799000 01
titlucitat:The characterization of the catalytic materials using the kinetic transient stage issncitat:00000000 titlu:Recent approaches in mechanistic and kinetic studies of catalytic reactions using SSITKA technique revista:ACS Catalysis issnciteaza:21555435 AnAparitie:2014 nrAutori:6 zonaCitare:2	(8/[6]*[2])	2.666WOS:0003 460416000 05
titlucitat:Monthly average daily global and diffuse solar radiation based on sunshine duration and clearness index for Brasov, Romania issncitat:19417012 titlu:On a universal model for the prediction of the daily global solar radiation revista:Renewable Energy issnciteaza:0960-1481 AnAparitie:2016 nrAutori:4 zonaCitare:2	(8/[4]*[2])	4WOS:0003 723828000 18
titlucitat:Monthly average daily global and diffuse solar radiation based on sunshine duration and clearness index for Brasov, Romania issncitat:19417012 titlu:New horizontal global solar radiation estimation models for Turkey based on robust coplot supported genetic programming technique revista:ENERGY CONVERSION AND MANAGEMENT issnciteaza:0196-8904 AnAparitie:2015 nrAutori:4 zonaCitare:2	(8/[4]*[2])	4WOS:0003 660635000 92
titlucitat:Monthly average daily global and diffuse solar radiation based on sunshine duration and clearness index for Brasov, Romania issncitat:19417012 titlu:Impact of estimated solar radiation on gross primary productivity simulation in subtropical plantation in southeast China revista:Solar Energy issnciteaza:0038-092X AnAparitie:2015 nrAutori:4 zonaCitare:2	(8/[4]*[2])	4WOS:0003 621421000 18
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:A parameter extraction technique exploiting intrinsic properties of solar cells revista:APPLIED ENERGY issnciteaza:0306-2619 AnAparitie:2016 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333WOS:0003 789695000 10
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:Parameter estimation of solar photovoltaic (PV) cells: A review revista:Renewable & Sustainable Energy Reviews issnciteaza:1364-0321 AnAparitie:2016 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333WOS:0003 786718000 27

Dofer

titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:Modeling of solar photovoltaic-polymer electrolyte membrane electrolyzer direct coupling for hydrogen generation revista:INTERNATIONAL JOURNAL OF HYDROGEN ENERGY issnciteaza:0360-3199 AnAparitie:2016 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333 WOS:000379106200005
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:Determination of the current-voltage characteristics of concentrator systems by using different adapted conventional techniques revista:Energy issnciteaza:0360-5442 AnAparitie:2016 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333 WOS:000375362400014
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:Solar cell parameters extraction based on single and double-diode models: A review revista:Renewable & Sustainable Energy Reviews issnciteaza:1364-0321 AnAparitie:2016 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333 WOS:000369462100040
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:Review of carbazole based conjugated molecules for highly efficient organic solar cell application revista:TETRAHEDRON LETTERS issnciteaza:0040-4039 AnAparitie:2016 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333 WOS:000369556900001
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:Modeling of photovoltaic system for uniform and non-uniform irradiance: A critical review revista:RENEWABLE & SUSTAINABLE ENERGY REVIEWS issnciteaza:1364-0321 AnAparitie:2015 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333 WOS:000367757800035
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:A simple but accurate procedure for solving the five-parameter model revista:ENERGY CONVERSION AND MANAGEMENT issnciteaza:0196-8904 AnAparitie:2015 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333 WOS:000363068900013
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:Intensity-Modulated Spectroscopy on Loaded Organic Photovoltaic Cells revista:IEEE JOURNAL OF PHOTOVOLTAICS issnciteaza:2156-3381 AnAparitie:2015 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333 WOS:000360436800021
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:A New Six-Parameter Model Based on Chebyshev Polynomials for Solar Cells revista:MATHEMATICAL PROBLEMS IN ENGINEERING issnciteaza:1024-123X AnAparitie:2015 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666 WOS:000358486800001
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:Statistical analysis and engineering fit models for two-diode model parameters of large area silicon solar cells revista:Solar Energy issnciteaza:0038-092X AnAparitie:2016 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333 WOS:000383004200036
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:Direct Analysis of the Current-Voltage Curves of Outdoor-Degrading Modules revista:40th IEEE Photovoltaic Specialists Conference (PVSC) issnciteaza:- AnAparitie:2014 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666 WOS:000366638903024
titlucitat:Multifunction iLab implemented laboratory issncitat:- titlu:Design and Implementation of Experiments with Real-Time Shared Architecture using Different Mobile Systems revista:IOE Volume 11, Issue 2, 2015 issnciteaza:1861-2121 AnAparitie:2015 nrAutori:7 zonaCitare:1	(8/[7]*[1])	1.142 WOS:000366994600002

Loth

titlucitat: The methods to determine the series resistance and the ideality factor of diode for solar cells-review issncitat: 18420133 titlu: The Behavior of Series Resistance of a P-N Junction: the Diode and the Solar Cell Cases revista: Proceedings Volume 9743, Physics, Simulation, and Photonic Engineering of Photovoltaic Devices V issnciteaza: 0277-786X AnAparitie: 2016 nrAutori: 4 zonaCitare: 1	(8/[4]*[1])	2 WOS:0003 831178000 31
titlucitat: Methods to determine the dc parameters of solar cells: a critical review issncitat: 13640321 titlu: Determination of the current-voltage characteristics of concentrator systems by using different adapted conventional techniques revista: Energy issnciteaza: 0360-5442 AnAparitie: 2016 nrAutori: 3 zonaCitare: 2	(8/[3]*[2])	5.333 WOS:0003 753624000 14
titlucitat: Methods to determine the dc parameters of solar cells: a critical review issncitat: 13640321 titlu: Comparative study of methods for the extraction of concentrator photovoltaic module parameters revista: SOLAR ENERGY issnciteaza: 0038-092X AnAparitie: 2016 nrAutori: 3 zonaCitare: 2	(8/[3]*[2])	5.333 WOS:0003 847843000 45
titlucitat: Methods to determine the dc parameters of solar cells: a critical review issncitat: 13640321 titlu: Single and double diode models for conventional mono-crystalline solar cell with extraction of internal parameters revista: 2016 13TH INTERNATIONAL MULTI-CONFERENCE ON SYSTEMS, SIGNALS & DEVICES (SSD) issnciteaza: 2474-0438 AnAparitie: 2016 nrAutori: 3 zonaCitare: 1	(8/[3]*[1])	2.666 WOS:0003 863604001 16
titlucitat: Methods to determine the dc parameters of solar cells: a critical review issncitat: 13640321 titlu: Performance modelling and assessment of photovoltaic systems: A case for tropical region revista: IEEE International Energy Conference (ENERGYCON) issnciteaza: 2164-4322 AnAparitie: 2016 nrAutori: 3 zonaCitare: 1	(8/[3]*[1])	2.666 WOS:0003 908229001 08
titlucitat: Methods to determine the dc parameters of solar cells: A critical review issncitat: 13640321 titlu: An advanced onlooker-ranking-based adaptive differential evolution to extract the parameters of solar cell models revista: RENEWABLE ENERGY issnciteaza: 0960-1481 AnAparitie: 2019 nrAutori: 3 zonaCitare: 2	(8/[3]*[2])	5.333 WOS:0004 567609000 96
titlucitat: Methods to determine the dc parameters of solar cells: A critical review issncitat: 13640321 titlu: Noncontact Electromagnetic Induction Excited Infrared Thermography for Photovoltaic Cells and Modules Inspection revista: IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS issnciteaza: 1551-3203 AnAparitie: 2018 nrAutori: 3 zonaCitare: 2	(8/[3]*[2])	5.333 WOS:0004 524418000 37
titlucitat: Methods to determine the dc parameters of solar cells: A critical review issncitat: 13640321 titlu: An assessment of series resistance estimation techniques for different silicon based SPV modules revista: RENEWABLE & SUSTAINABLE ENERGY REVIEWS issnciteaza: 1364-0321 AnAparitie: 2018 nrAutori: 3 zonaCitare: 2	(8/[3]*[2])	5.333 WOS:0004 505591000 16
titlucitat: Methods to determine the dc parameters of solar cells: A critical review issncitat: 13640321 titlu: Extraction of a photovoltaic cells double-diode model parameters from data sheet values revista: ENERGY SCIENCE & ENGINEERING issnciteaza: 2050-0505 AnAparitie: 2018 nrAutori: 3 zonaCitare: 2	(8/[3]*[2])	5.333 WOS:0004 477576000 07
titlucitat: Methods to determine the dc parameters of solar cells: A critical review issncitat: 13640321 titlu: Numerical Analysis to Determine Reliable One-Diode Model Parameters for Perovskite Solar Cells revista: Energies issnciteaza: 1996-1073 AnAparitie: 2018 nrAutori: 3 zonaCitare: 2	(8/[3]*[2])	5.333 WOS:0004 466041000 42

Loke

titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:Improved charge transport ability of polymer solar cells by using NPB/MoO3 as anode buffer layer revista:SOLAR ENERGY issnciteaza:0038-092X AnAparitie:2018 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333 WOS:0004 427139000 22
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:Assessment of Explicit Models for Different Photovoltaic Technologies revista:Energies issnciteaza:1996-1073 AnAparitie:2018 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333 WOS:0004 365527000 31
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu: A Numerical-Analytical Hybrid Approach for the Identification of SDM Solar Cell Unknown Parameters revista:ENGINEERING TECHNOLOGY & APPLIED SCIENCE RESEARCH issnciteaza:2241-4487 AnAparitie:2018 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666 WOS:0004 387701000 09
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu: Comparative analysis of parameter extraction techniques for the electrical characterization of multi-junction CPV and m-Si technologies revista:SOLAR ENERGY issnciteaza:0038-092X AnAparitie:2018 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333 WOS:0004 247163000 26
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:Extraction of Essential Solar Cell Parameters of Subcells in a Tandem Structure With a Novel Three-Terminal Measurement Technique revista:IEEE JOURNAL OF PHOTOVOLTAICS issnciteaza:2156-3381 AnAparitie:2018 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333 WOS:0004 187703000 48
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:On a rapidly converging iterative algorithm for diode parameter extraction from a single IV curve revista:JOURNAL OF PHYSICS COMMUNICATIONS issnciteaza:2399-6528 AnAparitie:2018 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666 WOS:0004 349863000 10
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu: A simple method for extracting the parameters of the PV cell single-diode model revista:RENEWABLE ENERGY issnciteaza: 0960-1481 AnAparitie:2017 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333 WOS:0004 076553000 77
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu: Laboratory exercises of photovoltaic systems-Review of the equipment, methodology, trials and results revista:RENEWABLE & SUSTAINABLE ENERGY REVIEWS issnciteaza:1364-0321 AnAparitie:2017 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333 WOS:0004 100115000 23
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu: Current-voltage dynamics of multi-junction CPV modules under different irradiance levels revista:SOLAR ENERGY issnciteaza:0038-092X AnAparitie:2017 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333 WOS:0004 195385000 06
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu: Nondestructive inspection, testing and evaluation for Si-based, thin film and multi junction solar cells: An overview revista:RENEWABLE & SUSTAINABLE ENERGY REVIEWS issnciteaza:1364-0321 AnAparitie:2017 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333 WOS:0004 071859000 78
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:Holistic performance appraisal of a photovoltaic system revista:RENEWABLE ENERGY issnciteaza: 0960-1481 AnAparitie:2017 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333 WOS:0004 002125000 40

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titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:A new method to simulate photovoltaic performance of crystalline silicon photovoltaic modules based on datasheet values revista:RENEWABLE ENERGY issnciteaza:0960-1481 AnAparitie:2017 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333 WOS:0003 927698000 06
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:Simple mathematical approach to solar cell/panel behavior based on datasheet information revista:RENEWABLE ENERGY issnciteaza:0960-1481 AnAparitie:2017 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333 WOS:0003 927698000 65
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:Cluster analysis of commercial photovoltaic modules based on the electrical performance at standard test conditions revista:SOLAR ENERGY issnciteaza:0038-092X AnAparitie:2017 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333 WOS:0003 975505000 33
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:Extracting and Studying Solar Cell Five Parameters Based on Lambert W Function revista:JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS issnciteaza: 1555-130X AnAparitie:2017 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666 WOS:0003 939193000 14
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:A review of photovoltaic water pumping system designing methods, control strategies and field performance A review of photovoltaic water pumping system designing methods, control strategies and field performance revista:RENEWABLE & SUSTAINABLE ENERGY REVIEWS issnciteaza:1364-0321 An	(8/[3]*[2])	5.333 WOS:0003 918992000 07
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:Off-grid Photovoltaic System as a Solution for Sustainability of Remote Farms - An Application in Engineering Education revista:Conference: International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) / Intl Aegean Conference on Electrical Machines and Power Elec	(8/[3]*[1])	2.666 WOS:0004 269096000 24
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:Evaluation of Analytical Methods for Parameter Extraction of PV modules revista:9th International Conference on Sustainability and Energy in Buildings (SEB)/Energy Procedia issnciteaza:1876-6102 AnAparitie:2017 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666 WOS:0004 266948000 07
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:Parameters Extraction for the One-Diode Model of a Solar Cell revista: AIP Conference Proceedings Volume: 1916 issnciteaza:- AnAparitie:2017 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666 WOS:0004 238688000 24
titlucitat:Methods to determine the dc parameters of solar cells: A critical review issncitat:13640321 titlu:Application of the Lambert W-function for a PV Module Parameters Estimation revista: AIP Conference Proceedings Volume: 1863 issnciteaza:- AnAparitie:2016 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666 WOS:0004 101598004 15
titlucitat:Results on series and shunt resistances in a c-Si PV cell. Comparison using existing methods and a new one issncitat:14544164 titlu:An assessment of series resistance estimation techniques for different silicon based SPV modules revista:RENEWABLE & SUSTAINABLE ENERGY REVIEWS issnciteaza:1364-0321 AnAparitie:2018 nrAutori:4 zonaCitare:2	(8/[4]*[2])	4 WOS:0004 505591000 16
titlucitat:Results on series and shunt resistances in a c-Si PV cell. Comparison using existing methods and a new one issncitat:14544164 titlu: Shunt resistance and saturation current determination in CdTe and CIGS solar cells. Part 1: a new theoretical procedure and comparison with other	(8/[4]*[2])	4 WOS:0004 273811000 01

Signature

methodologies revista:SEMICONDUCTOR SCIENCE AND
TECHNOLOGY issnciteaza:0268-1242 AnAparitie:2018 nrAutori:4 zo

titlucitat:Results on series and shunt resistances in a c-Si PV cell. Comparison using existing methods and a new one issncitat:14544164 titlu: Modeling and characterization of a grid-connected photovoltaic system under tropical climate conditions revista:RENEWABLE & SUSTAINABLE ENERGY REVIEWS issnciteaza:1364-0321 AnAparitie:2018 nrAutori:4 zonaCitare:2	(8/[4]*[2])	4WOS:0004 185748000 10
titlucitat:Results on series and shunt resistances in a c-Si PV cell. Comparison using existing methods and a new one issncitat:14544164 titlu: A simple method for extracting the parameters of the PV cell single- diode model revista:RENEWABLE ENERGY issnciteaza:0960-1481 AnAparitie:2017 nrAutori:4 zonaCitare:2	(8/[4]*[2])	4WOS:0004 076553000 77
titlucitat:Results on series and shunt resistances in a c-Si PV cell. Comparison using existing methods and a new one issncitat:14544164 titlu: Solar cell parameters extraction based on single and double-diode models: A review revista:RENEWABLE & SUSTAINABLE ENERGY REVIEWS issnciteaza:1364-0321 AnAparitie:2016 nrAutori:4 zonaCitare:2	(8/[4]*[2])	4WOS:0003 694621000 40
titlucitat:Results on series and shunt resistances in a c-Si PV cell. Comparison using existing methods and a new one issncitat:14544164 titlu: A new method for accurate estimation of PV module parameters and extraction of maximum power point under varying environmental conditions revista:TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES issnciteaza:1300-0632 AnAparitie:2016 nrAutori:4 zonaCitare:2	(8/[4]*[1])	2WOS:0003 743258000 03
titlucitat:Results on series and shunt resistances in a c-Si PV cell. Comparison using existing methods and a new one issncitat:14544164 titlu: Perfection Factors of Photovoltaic Cells with p-n Junction Structure revista: IEEE 34th International Conference on Electronics and Nanotechnology (ELNANO) Location: Kyiv, UKRAINE Date: APR 15-18, 2014 issnciteaza:- AnAparitie:2014 nrAutori:4 zonaCitare:1	(8/[4]*[1])	2WOS:0003 464321000 46
titlucitat:Methods and techniques to determine the dynamic parameters of solar cells: Review issncitat:13640321 titlu: A comprehensive review on DC arc faults and their diagnosis methods in photovoltaic systems revista:RENEWABLE & SUSTAINABLE ENERGY REVIEWS issnciteaza:1364-0321 AnAparitie:2018 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333 WOS:0004 308533000 09
titlucitat:Methods and techniques to determine the dynamic parameters of solar cells: Review issncitat:13640321 titlu:Metaheuristic Algorithm for Photovoltaic Parameters: Comparative Study and Prediction with a Firefly Algorithm revista:APPLIED SCIENCES-BASEL issnciteaza:2076-3417 AnAparitie:2018 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666 WOS:0004 283694000 22
titlucitat:Methods and techniques to determine the dynamic parameters of solar cells: Review issncitat:13640321 titlu: Nondestructive inspection, testing and evaluation for Si-based, thin film and multi junction solar cells: An overview revista:RENEWABLE & SUSTAINABLE ENERGY REVIEWS issnciteaza:1364-0321 AnAparitie:2017 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333 WOS:0004 071859000 78
titlucitat:Methods and techniques to determine the dynamic parameters of solar cells: Review issncitat:13640321 titlu:Critical aspects of impedance spectroscopy in silicon solar cell characterization: A review revista:RENEWABLE & SUSTAINABLE ENERGY REVIEWS issnciteaza:1364-0321 AnAparitie:2017 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333 WOS:0004 033813001 06

Deke

titlucitat:Methods and techniques to determine the dynamic parameters of solar cells: Review issncitat:13640321 titlu:Dynamic Equivalent Circuit Modelling of Polycrystalline Silicon Photovoltaic Cells revista: 2017 IEEE ENERGY CONVERSION CONGRESS AND EXPOSITION (ECCE) Book Series: IEEE Energy Conversion Congress and Exposition issnciteaza:1364-0321 AnAparitie:2017 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666 WOS:0004 268474020 88
titlucitat:Monthly average daily global and diffuse solar radiation based on sunshine duration and clearness index for Brasov, Romania issncitat:19417012 titlu:Prediction of diffuse solar radiation based on multiple variables in China revista:RENEWABLE & SUSTAINABLE ENERGY REVIEWS issnciteaza:1364-0321 AnAparitie:2019 nrAutori:4 zonaCitare:2	(8/[4]*[2])	4 WOS:0004 567459000 13
titlucitat:Monthly average daily global and diffuse solar radiation based on sunshine duration and clearness index for Brasov, Romania issncitat:19417012 titlu: A spatiotemporal universal model for the prediction of the global solar radiation based on Fourier series and the site altitude revista:RENEWABLE ENERGY issnciteaza:0960-1481 AnAparitie:2018 nrAutori:4 zonaCitare:2	(8/[4]*[2])	4 WOS:0004 356201000 80
titlucitat:Monthly average daily global and diffuse solar radiation based on sunshine duration and clearness index for Brasov, Romania issncitat:19417012 titlu:Global solar radiation and energy yield estimation from photovoltaic power plants for small loads revista:INTERNATIONAL JOURNAL OF GREEN ENERGY issnciteaza: 1543-5075 AnAparitie:2017 nrAutori:4 zonaCitare:1	(8/[4]*[1])	2 WOS:0003 954110000 05
titlucitat:The Methods to Determine the Series Resistance and the Ideality Factor of Diode for Solar Cells-Review issncitat:- titlu: Experimental Determination of Power Losses and Heat Generation in Solar Cells for Photovoltaic-Thermal Applications revista:JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE issnciteaza:1059-9495 AnAparitie:2018 nrAutori:4 zonaCitare:1	(8/[4]*[1])	2 WOS:0004 538766000 07
titlucitat:WIRELESS SYSTEM FOR MONITORING THE SOLAR RADIATION issncitat:15829596 titlu: GREENHOUSE ENVIRONMENT MONITORING AND CONTROL: STATE OF THE ART AND CURRENT TRENDS revista:ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL issnciteaza:1582-9596 AnAparitie:2018 nrAutori:5 zonaCitare:1	(8/[5]*[1])	1.6 WOS:0004 270848000 16
titlucitat:Remote SoC/FPGA Platform Configuration for Cloud Applications issncitat:- titlu: On-Board Non-Regression Test of HLS Tools Targeting FPGA revista: IEEE International Symposium on Rapid System Prototyping issnciteaza:- AnAparitie:2016 nrAutori:5 zonaCitare:1	(8/[5]*[1])	1.6 WOS:0004 058615000 07
titlucitat:Remote SoC/FPGA Platform Configuration for Cloud Applications issncitat:- titlu: REoN: A Protocol for Reliable Software-Defined FPGA Partial Reconfiguration over Network revista:Proceedings International Conference on Reconfigurable Computing and FPGAs issnciteaza:- AnAparitie:2016 nrAutori:5 zonaCitare:1	(8/[5]*[1])	1.6 WOS:0004 007758000 42
titlucitat:Experimental and numerical investigation of hybrid concentrated photovoltaic - Thermoelectric module under low solar concentration issncitat:03605442 titlu: Numerical simulation and experimental analysis of an LCPV/T system under real operating conditions revista:JOURNAL OF CLEANER PRODUCTION issnciteaza:0959-6526 AnAparitie:2019 nrAutori:5 zonaCitare:2	(8/[5]*[2])	3.2 WOS:0004 573519000 73
titlucitat:Experimental and numerical investigation of hybrid concentrated photovoltaic - Thermoelectric module under low solar concentration issncitat:03605442 titlu: Experimental and Theoretical Analysis of a Linear	(8/[5]*[1])	1.6 WOS:0004 518140000 98

Defa

Focus CPV/T System for Cogeneration Purposes revista:Energies
issnciteaza:0360-5442 AnAparitie:2018 nrAutori:5 zonaCitare:

titlucitat:Characterization of Photovoltaic-Thermoelectric-Solar Collector Hybrid Systems in Natural Sunlight Conditions issncitat:07339402 titlu: Research on mathematical model and calculation simulation of wireless sensor solar cells in Internet of Things revista:EURASIP JOURNAL ON WIRELESS COMMUNICATIONS AND NETWORKING issnciteaza:1687-1499 AnAparitie:2018 nrAutori:4 zonaCitare:2	(8/[4]*[2])	4WOS:0004 325569000 03
titlucitat:Design and implementation of RElab system to study the solar and wind energy issncitat:02632241 titlu: Computer Assisted E-Laboratory using Lab VIEW and Internet-of-Things Platform as Teaching Aids in the Industrial Instrumentation Course revista:INTERNATIONAL JOURNAL OF ONLINE ENGINEERING issnciteaza:2626-8493 AnAparitie:2018 nrAutori:2 zonaCitare:1	(8/[2]*[1])	4WOS:0004 541770000 02
titlucitat: Investigation of the photovoltaic cell/thermoelectric element hybrid system performance issncitat:- titlu: The theoretical performance evaluation of hybrid PV-TEG system revista:ENERGY CONVERSION AND MANAGEMENT issnciteaza:0196-8904 AnAparitie:2018 nrAutori:4 zonaCitare:2	(8/[4]*[2])	4WOS:0004 459873000 37
titlucitat:Investigation of the photovoltaic cell/thermoelectric element hybrid system performance issncitat:- titlu:The role of thermoelectric generators in the hybrid PV/T systems: A review revista: ENERGY CONVERSION AND MANAGEMENT issnciteaza:0196-8904 AnAparitie:2017 nrAutori:4 zonaCitare:2	(8/[4]*[2])	4WOS:0004 176574000 33
titlucitat:SIGNIFICANT DIFFERENCES IN CROP ALBEDO AMONG ROMANIAN WINTER WHEAT CULTIVARS issncitat:12224227 titlu: Evapotranspiration and energy balance measurements over a soybean field in the semiarid southwestern region of Buenos Aires province (Argentina) revista:PHYTON-INTERNATIONAL JOURNAL OF EXPERIMENTAL BOTANY issnciteaza:1851-5657 AnAparitie:2017 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2,666WOS:0004 182265000 21
titlucitat: Current-Voltage Characteristic Raising Techniques for Solar Cells. Comparisons and Applications issncitat:- titlu:Design and implementation of a photovoltaic I-V curve tracer: Solar modules characterization under real operating conditions revista:ENERGY CONVERSION AND MANAGEMENT issnciteaza:1879-2227 AnAparitie:2018 nrAutori:4 zonaCitare:2	(8/[4]*[2])	4WOS:0004 368859000 17
titlucitat: FPGA-enabled Hardware Multitasking Applications in Energy Harvesting Laboratories issncitat:- titlu:On-Demand Instantiation of Co-Processors on Dynamically Reconfigurable FPGAs revista: 2017 12TH INTERNATIONAL SYMPOSIUM ON RECONFIGURABLE COMMUNICATION-CENTRIC SYSTEMS-ON-CHIP (RECOSOC) issnciteaza:- AnAparitie:2017 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2,666WOS:0004 512089000 12
titlucitat:Ageing of Photovoltaic Cells Under Concentrated Light issncitat:- titlu: Light source selection for a solar simulator for thermal applications: A review revista:RENEWABLE & SUSTAINABLE ENERGY REVIEWS issnciteaza:1364-0321 AnAparitie:2018 nrAutori:5 zonaCitare:2	(8/[5]*[2])	3.2WOS:0004 349177000 53
titlucitat:WIRELESS SYSTEM FOR MONITORING THE SOLAR RADIATION issncitat:15829596 titlu:Fuzzy Power Management for Environmental Monitoring Systems in Tropical Regions revista:IEEE International Joint Conference on Neural Networks (IJCNN),Beijing, PEOPLES R CHINA issnciteaza:- AnAparitie:2014 nrAutori:5 zonaCitare:1	(8/[5]*[1])	1.6WOS:0003 714657011 17

<http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6889844>

titlucitat:Response of thermoelectric generators to Bi ₂ Te ₃ and Zn ₄ Sb ₃ energy harvester materials under variant solar radiation issncitat:09601481 titlu:Waste heat recovery from a biomass heat engine for thermoelectric power generation using two-phase thermosyphons revista:RENEWABLE ENERGY issnciteaza:0960-1481 AnAparitie:2020 nrAutori:5 zonaCitare:2 https://www.sciencedirect.com/science/article/pii/S0960148119315587	(8/[5]*[2])	3.2
titlucitat:Response of thermoelectric generators to Bi ₂ Te ₃ and Zn ₄ Sb ₃ energy harvester materials under variant solar radiation issncitat:09601481 titlu:An Experimental Study on the Performance Evaluation and Thermodynamic Modeling of a Thermoelectric Cooler Combined with Two Heatsinks revista:SCIENTIFIC REPORTS issnciteaza:2045-2322 AnAparitie:2019 nrAutori:5 zonaCitare:2 https://www.nature.com/articles/s41598-019-56672-9	(8/[5]*[2])	3.2
titlucitat:Experimental and numerical study on the transient behavior of multi junction solar cell-thermoelectric generator hybrid system issncitat:01968904 titlu:A review on the performance of photovoltaic/thermoelectric hybrid generators revista:INTERNATIONAL JOURNAL OF ENERGY RESEARCH issnciteaza: 0363-907X AnAparitie:2020 nrAutori:6 zonaCitare:2 https://onlinelibrary.wiley.com/doi/abs/10.1002/er.5139	(8/[6]*[2])	2.666
titlucitat:Experimental and numerical study on the transient behavior of multi junction solar cell-thermoelectric generator hybrid system issncitat:01968904 titlu:An Experimental Study on the Performance Evaluation and Thermodynamic Modeling of a Thermoelectric Cooler Combined with Two Heatsinks revista:SCIENTIFIC REPORTS issnciteaza:2045-2322 AnAparitie:2019 nrAutori:6 zonaCitare:2 https://www.nature.com/articles/s41598-019-56672-9	(8/[6]*[2])	2.666
titlucitat:Experimental and numerical study on the transient behavior of multi junction solar cell-thermoelectric generator hybrid system issncitat:01968904 titlu:Flexible hybrid piezoelectric-thermoelectric generator for harnessing electrical energy from mechanical and thermal energy revista:ENERGY CONVERSION AND MANAGEMENT issnciteaza:0196-8904 AnAparitie:2019 nrAutori:6 zonaCitare:2 https://www.sciencedirect.com/science/article/pii/S0196890419307654	(8/[6]*[2])	2.666
titlucitat:Experimental and numerical study on the transient behavior of multi junction solar cell-thermoelectric generator hybrid system issncitat:01968904 titlu:Waste heat recovery of diesel engine using porous medium-assisted thermoelectric generator equipped with customized thermoelectric modules revista:ENERGY CONVERSION AND MANAGEMENT issnciteaza:0196-8904 AnAparitie:2019 nrAutori:6 zonaCitare:2 https://www.sciencedirect.com/science/article/pii/S0196890419308933	(8/[6]*[2])	2.666
titlucitat:Experimental and numerical study on the transient behavior of multi junction solar cell-thermoelectric generator hybrid system issncitat:01968904 titlu:Comparative study of a concentrated photovoltaic-thermoelectric system with and without flat plate heat pipe revista:ENERGY CONVERSION AND MANAGEMENT issnciteaza:0196-8904 AnAparitie:2019 nrAutori:6 zonaCitare:2 https://www.sciencedirect.com/science/article/pii/S0196890419304832	(8/[6]*[2])	2.666
titlucitat:Experimental and numerical study on the transient behavior of multi junction solar cell-thermoelectric generator hybrid system issncitat:01968904 titlu:Advancements in thermoelectric generators for enhanced hybrid photovoltaic system performance revista:RENEWABLE & SUSTAINABLE ENERGY REVIEWS issnciteaza:1364-0321	(8/[6]*[2])	2.666

Doth

titlucitat:Study of combined photovoltaic cell/thermoelectric element/solar collector in medium concentrated light issncitat:00000000 titlu:Numerical parametric study on the performance of CPV-TEG hybrid system revista:Energy Procedia vol 158 issnciteaza:1876-6102 AnAparitie:2019 nrAutori:4 <https://www.sciencedirect.com.am.e-nformation.ro/science/article/pii/S1876610219301419?via%3Dihub> titlucitat:Modelling and PSPICE simulation of a photovoltaic/thermoelectric system issncitat:00000000 titlu:Experimental Investigations of the Effect of Temperature on Power in a Combined Photovoltaic Cell and Thermo-Electric revista:Lecture Notes in Electrical Engineering issnciteaza:1876-1100 AnAparitie:2020 nrAutori:3 https://link-springer-com.am.e-nformation.ro/chapter/10.1007%2F978-981-15-1289-6_19 titlucitat:Design and implementation of RELab system to study the solar and wind energy issncitat:02632241 titlu:Computer assisted e-laboratory using LabVIEW and internet-of-things platform as teaching aids in the industrial instrumentation course revista:International Journal of Online Engineering issnciteaza:1868-1646 AnAparitie:2018 nrAutori:2 <https://online-journals.org/index.php/i-joe/article/view/8992>

TOTAL 45.144

3.2 Membru în colectivele de redactie sau comitete stiintifice ale revistelor indexate ISI

titlu:International Journal of Photoenergy DataAparitie:2018 (10) 10
<https://www.hindawi.com/journals/ijp/si/127505/cfp/>
 titlu:Energies DataAparitie:2020 (10) 10
https://www.mdpi.com/journal/energies/special_issues/Solar_Hybrid

TOTAL 20

3.4 Premii Academia Romana, ASTR, academii de ramura, premii internationale

titlu:Education category, National Instruments Graphical System Design Achievement Award AnAcordare:2013 (15) 15
 titlu:Editors Choice Award, Graphical System Design Achievement Awards AnAcordare:2013 (15) 15
 titlu:NI Community Choice Award, Graphical System Design Achievement Awards AnAcordare:2013 (15) 15
 titlu:Best paper (poster) at REV 2012 Embedded system for mini solar vehicle (http://rev-conference.org/REV2012/) A AnAcordare:2012 (15) 15
 titlu:Gold Medal - EUROINVENT2015 AnAcordare:2015 (15) 15

TOTAL 75

Citari ISI: 705.759
 Citari BDI: 45.144
 TOTAL Citari: 705.759 + 45.144 750.903

TOTAL 3: 750.903 + 20 + 75 845.903

TOTAL: 162.499 + 1512.531+ 845.903 2520.933

Iulie, 2020

Conf. Dr. Petru A. COTFAS.

Director de departament
 Sef luc dr ing. Cornel STANCA