

Universitatea Transilvania din Braşov

Facultatea IESC

Departamentul EC

Poz.: Prof. 9.

Disciplinele postului: Surse de energie alternative; Fizică; Ecuaţiile fizicii matematice

Fişa de verificare a îndeplinirii standardelor minime naţionale CNATDCU

Postul: Profesor (pe perioadă nedeterminată), poziţia 9,
publicat în Monitorul Oficial al României¹ nr. 306 din data de 15.04.2020.

Candidat: Cotfas Daniel Tudor

Data naşterii 24.07.1970

Funcţia actuală: Conferenţiar

Instituţia Universitatea Transilvania Braşov

Comisia de electronică, telecomunicaţii si nanotehnologii

¹ Se completează numai în cazul posturilor pe perioadă nedeterminată.

Criteriul A1

Tip Criteriu	Descriere	Formula	Punctaj
1.1.1	Carti/monografii/capitole in edituri internationale recunoscute, ca autor, cel putin 50 biblioteci din strainatate conform catalogului WorldCat		
1.1	titluCc:Internet Accessible Remote Laboratories: Scalable E-Learning Tools for Engineering and Science Disciplines/Chapter 3. New Tools in Hardware and Software Design Applied for Remote Photovoltaic Laboratory editura:IGI Global SUA isbn:9781613501863 AnAparitie:2012 NrAutori:5 TotalNrPagini:20 tipCarteCap:4	100/5/4	5.0000
	titluCc:Renewable Energy Systems: Theory, Innovations and Intelligent Applications/ Chapter IX: PV Innovative Techniques and Experimental Test Sets. editura:Nova Science Publishers. USA isbn:978-1-62417-744-6 AnAparitie:2013 NrAutori:2 TotalNrPagini:22 tipCarteCap:4	100/2/4	12.5000
	TOTAL		17.5000
1.1.1	Carti/monografii/capitole in edituri internationale, care NU se regasesc in catalogul WorldCat, recunoscute ca autor		
2.1	titluCc: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	12.5000
	TOTAL		12.5000
1.1.2	Carti/monografii/capitole in edituri nationale recunoscute, ca autor		
	titluCc:Aliaje cu memoria formei editura:Ed. Universitatii Transilvania din Brasov isbn:978-973-596-934-7 AnAparitie:2011 NrAutori:5 TotalNrPagini:155	50/5	10.0000
	titluCc:Celule fotovoltaice editura:Ed. Universitatii Transilvania din Brasov isbn:978-973-598-771-8 AnAparitie:2010 NrAutori:1 TotalNrPagini:253	50/1	50.0000
	TOTAL		60.0000
1.2.1	Material didactic/Lucrari didactice - Manuale didactice		
	titluMm:Optoelectronica editura:Editura Universitatii Transilvania din Brasov isbn:978-606-19-0455-6 AnAparitie:2014 NrAutori:1 TotalNrPagini:177	40/1	40.0000
	titluMm:Solar cells: Practical applications editura:Editura Universitatii Transilvania din Brasov isbn:973-635-303-6 AnAparitie:2004 NrAutori:1 TotalNrPagini:100	40/1	40.0000
	titluMm:Optoelectronica-Indrumar de laborator editura:Editura Universitatii Transilvania din Brasov isbn:978-606-19-0456-3 AnAparitie:2014 NrAutori:1 TotalNrPagini:61	40/1	40.0000
	titluMm:Fizica-Lucrari de laborator editura:Ed. Universitatii Transilvania din Brasov isbn:978-606-19-0457-0 AnAparitie:2014 NrAutori:2 TotalNrPagini:72	40/2	20.0000
	TOTAL		140.0000

Total A1:17.5+12.5+60+140=230

Criteriul A2

2.1.1	Articole in reviste cotate ISI			
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
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.renene.2019.08.080
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
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
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
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
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
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
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
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
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
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
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
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
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
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
17	titlu:Monthly average daily global and diffuse solar radiation based on sunshine duration	((25+30*1.	18.0625	WOS:000

	and clearness index for Brasov, Romania revista:Journal of Renewable and Sustainable Energy issn:19417012 isbn:- AnAparitie:2014 nrAutori:4 zona:ALTA	575)/4)		344590600006
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
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
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
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
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
23	titlu:The characterization of the catalytic materials using the kinetic transient stage revista: Metalurgia International issn:15822214 isbn:- AnAparitie:2011 nrAutori:6 zona:ALTA	((25+30*0.134)/4)	7.255	WOS:000289186700011
24	titlu:The achievement of an algorithm for the design of a solar furnace revista: Metalurgia International issn:15822214 isbn:- AnAparitie:2010 nrAutori:4 zona:ALTA	((25+30*0.134)/4)	7.255	WOS:000274149100001
25	titlu:Decarburization Study for Bearing Steel Using Barkhausen Noise revista: Metalurgia International issn:15822214 isbn:- AnAparitie:2009 nrAutori:4 zona:ALTA	((25+30*0.134)/4)	7.255	WOS:000269587900011
26	titlu:Materials processing using solar energy revista:Environmental Engineering and Management Journal issn:15829596 isbn:- AnAparitie:2009 nrAutori:3 zona:ALTA	((25+30*1.44)/3)	22.733	WOS:000285523600017
27	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
	Total		969.6835	

2.1.2 Volumele unor manifestari stiintifice indexate ISI proceedings

	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	((25+30*0	8.125	WOS:000

performance revista: ICIR EUROINVENT 2016 Book Series: IOP Conference Series-Materials Science and Engineering issn: isbn:- AnAparitie:2016 nrAutori:4 nivelProceedingISI:0.25	.25)/4)		39114000 0037
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:000 39886670 0156
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:000 34355130 0121
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:000 32718040 0001
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:000 33574630 0047
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:000 29196730 0167
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:000 39055740 0037
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:000 39055740 0017
titlu:Study of combined photovoltaic cell/thermoelectric element/solar collector in medium concentrated light revista:IEEEExplore, Optimization of Electrical and Electronic Equipment (OPTIM) &&&& 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:000 42690960 0114
titlu:System design to study hybrid systems in concentrated light using Fresnel lens revista:IEEEExplore ,2017 International Conference On Optimization Of Electrical And Electronic Equipment (Optim) &&&& 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:000 42690960 0115
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:000 42803230 0031
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:000 40295590 3115
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:000 37776550 0073
titlu:Simulated, Hands-on and Remote Laboratories for Studying the Solar Cells revista:Intl 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) issn: isbn:- AnAparitie:2015 nrAutori:3 nivelProceedingISI:0.25	((25+30*0 .25)/3)	10.833	WOS:000 38295700 0037
titlu:Ageing of Photovoltaic Cells Under Concentrated Light revista:Intl 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	((25+30*0 .25)/5)	6.5	WOS:000 38295700 0093

(ELECTROMOTION) issn: isbn:- AnAparitie:2015 nrAutori:5 nivelProceedingISI:0.25 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:000 39552770 0022
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:000 39456030 0002
titlu:Interdisciplinary researches of the potential limits for the solar energy in solids on heating-melting range revista:ModTech International Conference - New face of TMCR, 20-22 May 2010 issn:20663919 isbn:- AnAparitie:2010 nrAutori:6 nivelProceedingISI:0.25	((25+30*0 .25)/6)	5.4160	WOS:000 28260400 0165
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:000 46303150 0021
TOTAL		211.517	

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 BDI1: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 BDI1: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 BDI1: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 BDI1: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 BDI1: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 BDI1: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 BDI1: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 BDI1:IEEE Xplore issn:00000000 isbn:- AnAparitie:2011 Autori:7 nivel:Neevaluat	(20/[7])	2.857	
titlu:WEB Instruments revista:Education Engineering (EDUCON), 2010 IEEE BDI1: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 BDI1: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 BDI1: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) BDI1:DBLP issn:18612121 isbn:- AnAparitie:2009 Autori:5 nivel:	(20/[5])	4	
titlu:The Wireless Albedometer revista:Journal of Engineering Science and Technology BDI1:Scopus issn:17912377 isbn:- AnAparitie:2012 Autori:2	(20/[2])	10	

nivel:Neevaluat

titlu:Performance evaluation of a high-temperature thermoelectric generator under different solar concentrations revista:Energy Procedia BD11:Science Direct

(20/[5])

4

issn:18766102 isbn:- AnAparitie:2018 Autori:5 nivel:Neevaluat

titlu: Virtual keyboard based on a brain-computer interface revista: IOP Conf.

(20/5)

4

Series: Materials Science and Engineering 514, 012020, isbn:- AnAparitie:2019 nrAutori:5

titlu: Virtual robot arm controlled by hand gestures via Leap Motion Sensor revista:

(20/5)

4

IOP Conf. Series: Materials Science and Engineering 514, 012021,AnAparitie:2019 nrAutori: 5

TOTAL

74.356

TOTAL General: 969.6835+ 211.517+ 74.356

1255,5565

2.4.1. Granturi/proiecte castigate prin competitie internationala ca Director/responsabil

1

titlu:The study of the evolution of the photovoltaic cells parameters during the ageing process using the concentrated light and the temperature

(20*[1])

20

perioada:20142014 finantator:CORDIS FP7-INFRASTRUCTURES

NrContract:312643 NrAniDerulare:1

titlu:The ageing time evolution of the solar cells in function of the concentrated light levels perioada:2015 finantator:CORDIS FP7-INFRASTRUCTURES

(20*[1])

20

NrContract:312643 NrAniDerulare:1

titlu:Study of combined photovoltaic cell/thermoelectric element/solar collector in medium and highly concentrated light perioada:20162016 finantator:CORDIS FP7-INFRASTRUCTURES NrContract:NrContract:312643 NrAniDerulare:1

(20*[1])

20

titlu:1. Study of new thermoelectric generator's important parameters in concentrated light perioada:2017 finantator:CORDIS FP7-

(20*[1])

20

INFRASTRUCTURES NrContract:312643 NrAniDerulare:1

TOTAL

80

2.4.1. Granturi/proiecte castigate prin competitie nationala ca Director/responsabil

2

titlu:Tehnologii de precipitare dispersă în stare solidă, la nivel nanometric, folosind câmpuri termice cu cicluri staționare și tranziții alternante

(10*[3])

30

perioada:20082011 finantator:Centrul National de Management Programe

NrContract:72163/1.10.2008 NrAniDerulare:3

titlu:Cercetări asupra sistemelor solare hibride

(10*[2])

20

fotovoltaice/termoelectrice/termice PV/TEG/STC perioada:20152017

finantator:UEFISCDI NrContract:135/1.10.2015 NrAniDerulare:2

TOTAL

50

2.4.2. Granturi/proiecte castigate prin competitie internationala - membru in echipa

1

titlu:The photovoltaic cells under concentrated light transient conditions study perioada:20202020 finantator:Solar Facilities for the European Research Area - Third Phase (SFERA III) within the framework of H2020 NrContract:823802

(4*[1])

4

NrAniDerulare:1

titlu:Industrial Cooperation and creative engineering education based on remote

(4*[1])

4

engineering and virtual instrumentation-iCo-op perioada:2013

finantator:TEMPUS IV, EACEA N° 25/2011 NrContract:- NrAniDerulare:1

titlu:Magnetic Sorting and Ultrasound Sensor Technologies for Production of

(4*[3])

12

High Purity Secondary Polyolefins from Waste perioada:20092011

finantator:FP7 NrContract:212782, topic: ENV-2007-3.1.3-02 NrAniDerulare:3

titlu:Improving the performances of new nanostructures processed by laser

(4*[1])

4

techniques for use in concentrated light applications perioada:2013

finantator:CORDIS FP7-INFRASTRUCTURES NrContract:SFERA I

NrAniDerulare:1

titlu:Evaluation of the solar concentrated charger possibilities in very fast

(4*[1])

4

charging of supercapacitors perioada:2013 finantator:CORDIS FP7-

INFRASTRUCTURES NrContract:SFERA I NrAniDerulare:1

titlu:6. TARET_IP_AP_NALLP_AT-2007 Training in advanced Remote Engineering Technologies perioada:20072008 finantator: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 finantator:UE FSE NrContract:POSDRU/57/1.3/S/32629 NrAniDerulare:3	(4*[3])	12
titlu:Standalone High Frequency Impedance Analyser perioada:20082008 finantator:EcoChemie B.V. NrContract:1.09.07 NrAniDerulare:1	(4*[1])	4
titlu:NIELVIS II EDUCATIONAL GRANT perioada:20092009 finantator:National Instruments USA NrContract:6063 NrAniDerulare:1	(4*[1])	4
titlu:The study of the rapid variation effect of concentrated light over the photovoltaic cells perioada:20192019 finantator:Solar Facilities for the European Research Area - Third Phase (SFERA III) within the framework of H2020 NrContract:SURPF1904040038 NrAniDerulare:1	(4*[1])	4

TOTAL 60

2.4.2.
2

Granturi/proiecte castigate prin competitie nationala - membru in echipa

titlu:Cercetari privind realizarea unei noi clase de aliaje (Al-Cu-Mn) si realizarea unui standard de oboseala termomecanica destinat aliajelor cu memoria formeii perioada:20082011 finantator:Centrul National de Management Programe NrContract:72 161/ 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:Instlatie 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:Cercetari interdisciplinare de stabilire a limitelor de potential ale energiei solare. Corpuri solide pe intervalul incalzire- topire perioada:20072010 finantator:CNCSIS NrContract:105/1.10.2007 NrAniDerulare:3	(2*[3])	6
titlu:Noi sisteme analitice pentru evaluarea prezentei toxinelor in industria lactatelor perioada:20172018 finantator perioada:20172018 finantator:UEFISCDI NrContract:Contract:33/2017 NrAniDerulare:2	(2*[2])	4
titlu:Sistem inteligent pentru managementul energiei oferite de panourile solare la alimentarea lămpilor cu senzori de infraroșu perioada:20112013 finantator:Steinel NrContract:7640/27.11.2011 NrAniDerulare:2	(2*[2])	4
titlu:Sistem wireless de management al energiei electrice , gazului metan si aerului comprimat perioada:20112012 finantator:IAR Ghimbav NrContract:9014/19.12.2011 NrAniDerulare:2	(2*[2])	4

TOTAL 42

TOTAL General: 80+ 50 + 60 +42

232

TOTAL 2: 1255,5565+ 232

1487,5565

3.1.1 Citari in carti, reviste si volume ale unor manifestari stiintifice - ISI

titlucitat:Materials processing using solar energy issncitat:15829596 titlu:Solar systems for wood drying revista:Environmental Engineering And Management Journal issnciteaza:15829596 AnAparitie:2011 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666
titlucitat:Leveraging Web services and FPGA dynamic partial reconfiguration in a virtual hardware design lab issncitat:0949149X titlu: The Engineering Behind the Technological-Based Educational Innovation revista:INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION issnciteaza:0949-149X AnAparitie:2017 nrAutori:4 zonaCitare:1	(8/[4]*[1])	2
titlucitat:MATERIALS PROCESSING USING SOLAR ENERGY issncitat:15829596 titlu: Magnetic Properties of FeCoWYB-based Ferromagnetic Alloys with a Small Addition of Pt revista:REVISTA DE CHIMIE issnciteaza: 0034-7752 AnAparitie:2018 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666
titlucitat:MATERIALS PROCESSING USING SOLAR ENERGY issncitat:15829596 titlu:The Influence of Heat Treatment on the Phononic Multilayer Sensor revista:REVISTA DE CHIMIE issnciteaza:0034-7752 AnAparitie:2019 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666
titlucitat:MATERIALS PROCESSING USING SOLAR ENERGY issncitat:15829596 titlu:The Effect of Coloring on the Transmission of Electromagnetic Radiation in Eyeglass Lenses revista:MATERIALE PLASTICE issnciteaza:0025-5289 AnAparitie:2018 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666
titlucitat:MATERIALS PROCESSING USING SOLAR ENERGY issncitat:15829596 titlu:The Choice of Recycling Methods for Single- Polymer Polyester Composites revista:MATERIALE PLASTICE issnciteaza:0025-5289 AnAparitie:2018 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666
titlucitat:MATERIALS PROCESSING USING SOLAR ENERGY issncitat:15829596 titlu: The Influence of the Temperature Regime on the Mechanical Properties of the Thick Steel Sheets from Carbon and Low alloy Steels, Laminated to Thicknesses More than 40 mm revista:REVISTA DE CHIMIE issnciteaza:0034-7752 AnAparitie:2018 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666
titlucitat:MATERIALS PROCESSING USING SOLAR ENERGY issncitat:15829596 titlu: The Influence of the Temperature Regime on the Mechanical Properties of the Thick Steel Sheets from Carbon and Low alloy Steels, Laminated to Thicknesses More than 40 mm revista:REVISTA DE CHIMIE issnciteaza:0034-7752 AnAparitie:2018 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666
titlucitat:Multiconcept Methods to Enhance Photovoltaic System Efficiency issncitat:1110662X titlu:Numerical and Experimental Investigation of Air Cooling for Photovoltaic Panels Using Aluminum Heat Sinks revista:International Journal of Photoenergy issnciteaza:1110-662X AnAparitie:2020 nrAutori:2 zonaCitare:2	(8/[2]*[2])	8
titlucitat:Materials processing using solar energy issncitat:15829596 titlu:Chemical influence of fluidized bed sand on ALMG2 surface alloy during solution annealing heat treatment revista:Metallurgia International issnciteaza:15822214 AnAparitie:2013 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666
titlucitat:Materials processing using solar energy issncitat:15829596 titlu:Experimental structural, physical and mechanical characteristics of the magnetisable composite yarns revista:Metallurgia International issnciteaza:15822214 AnAparitie:2012 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666
titlucitat:Materials processing using solar energy issncitat:15829596 titlu:Experimental research on transient regimes of solar air heat collectors revista:Environmental Engineering and Management Journal issnciteaza:15829596 AnAparitie:2011 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666

titlucitat:Materials processing using solar energy issncitat:15829596 titlu:A gis method for assessing roof mounted solar energy potential: a case study in Jiangsu, China, revista:Environmental Engineering and Management Journal issnciteaza:15829596 AnAparitie:2011 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666
titlucitat:Materials processing using solar energy issncitat:15829596 titlu:Environmental impact scenario of an azimuthal tracked pv platform based on CO2 emissions reduction revista:Environmental Engineering and Management Journal issnciteaza:15829596 AnAparitie:2011 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666
titlucitat:Materials processing using solar energy issncitat:15829596 titlu:Experimental magnetic characteristics of the composite yarns revista:Metallurgia International issnciteaza:15822214 AnAparitie:2011 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666
titlucitat:Materials processing using solar energy issncitat:15829596 titlu:Charged particle beam production via laser ablation for traceability marking revista:Metallurgia International issnciteaza:15822214 AnAparitie:2011 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666
titlucitat:Materials processing using solar energy issncitat:15829596 titlu:Energy and economical growth: overview and global challenges revista:Environmental Engineering and Management Journal issnciteaza:15829596 AnAparitie:2010 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666
titlucitat:Materials processing using solar energy issncitat:15829596 titlu:Preliminary sizing and optimization of a micro solar power plant by a parametric sensitivity study revista:Environmental Engineering and Management Journal issnciteaza:15829596 AnAparitie:2010 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666
titlucitat:Materials processing using solar energy issncitat:15829596 titlu:Water temperature influence on metallic materials cooling revista:Metallurgia International issnciteaza:15822214 AnAparitie:2010 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666
titlucitat:Materials processing using solar energy issncitat:15829596 titlu:Environmentally friendly, improved solar thermal collectors revista:Environmental Engineering and Management Journal issnciteaza:15829596 AnAparitie:2010 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666
titlucitat:Investigation on parameters affecting the photoconversion efficiency in PV-cells based on Si and CdTe issncitat:00000000 titlu:Energy performance and degradation over 20 years performance of BP c-Si PV modules revista:Simulation Modelling Practice and Theory issnciteaza:1569190X AnAparitie:2010 nrAutori:1 zonaCitare:2	(8/[1]*[2])	16
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:0003 399892000 04
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	(8/[3]*[1])	2.666 WOS:0003 414294000 50

zonaCitare:1 http://wulixb.iphy.ac.cn/EN/abstract/abstract60810.shtml		
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:0003 550436000 35
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:0003 509379000 10
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:0003 530976000 34
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:0003 182274000 07
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:0002 975363000 10
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:0003 530427000 01
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://ajbasweb.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:0003 404833000 04
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])	4 WOS: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])	2.666 WOS:0003 544536000 29

titlucitat:The characterization of the catalytic materials using the kinetic transient stage issncitat:15822214 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])	2.666 WOS:000256404200017
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])	4 WOS:000344279900001
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])	4 WOS:000372382800018
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])	4 WOS:000366063500092
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])	4 WOS:000362142100018
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])	5.333 WOS:000378969500010
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])	5.333 WOS:000378671800027
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:0003 677578000 35
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:0003 630689000 13
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:0003 604368000 21
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:0003 584868000 01
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:0003 830042000 36
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:0003 666389030 24
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:0003 669946000 02
titlucitat:Materials processing using solar energy issncitat:- titlu:Modeling and simulation of temperature effect in polycrystalline silicon PV cells revista:IOP Conference Series: Materials Science and Engineering issnciteaza:- AnAparitie:2016 nrAutori:3 zonaCitare:1	(8/[3]*[1])	2.666
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
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-	(8/[3]*[2])	5.333 WOS:0004 247163000 26

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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
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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
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])	5.333WOS: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])	2.666WOS: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])	2.666WOS: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])	2.666WOS: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])	2.666WOS: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])	4WOS:0004 505591000 16
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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

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extraction of maximum power point under varying environmental conditions
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solar cells: Review issncitat:13640321 titlu: A comprehensive review on DC
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spectroscopy in silicon solar cell characterization: A review
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| 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 &
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issncitat:19417012 titlu: A spatiotemporal universal model for the prediction
of the global solar radiation based on Fourier series and the site altitude
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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])	1.6WOS: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])	1.6WOS:0004 058615000 07
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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])	3.2WOS: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 Focus CPV/T System for Cogeneration Purposes revista:Energies issnciteaza:0360-5442 AnAparitie:2018 nrAutori:5 zonaCitare:	(8/[5]*[1])	1WOS:0004 518140000 98
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])	2.666 WOS:0004 182265000 21
titlucitat: Current-Voltage Characteristic Raising Techniques for Solar Cells. (8/[4]*[2]) 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		4 WOS: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])	2.666 WOS: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])	3.2 WOS: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 http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6889844	(8/[5]*[1])	1.6 WOS:0003 714657011 17
titlucitat: Response of thermoelectric generators to Bi2Te3 and Zn4Sb3 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 Bi2Te3 and Zn4Sb3 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 AnAparitie:2019 nrAutori:6 zonaCitare:2 https://www.sciencedirect.com/science/article/pii/S1364032119302357	(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:Experimental optimization of operating conditions for concentrating photovoltaic-thermoelectric hybrid system revista:JOURNAL OF POWER SOURCES issnciteaza: 0378-7753 AnAparitie:2019 nrAutori:6 zonaCitare:2 https://www.sciencedirect.com/science/article/pii/S0378775319302733	(8/[6]*[2])	2.666
titlucitat:Transient behavior of concentrated solar oxide thermoelectric generator issncitat:03605442 titlu:Utilizing thermoelectric generator as cavity temperature controller for temperature management in dish-Stirling engine revista:APPLIED THERMAL ENGINEERING issnciteaza:1359-4311 AnAparitie:2020 nrAutori:5 zonaCitare:2 https://www.sciencedirect.com/science/article/pii/S1359431119332740	(8/[5]*[2])	3.2
titlucitat:Transient behavior of concentrated solar oxide thermoelectric generator issncitat:03605442 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:Transient behavior of concentrated solar oxide thermoelectric generator issncitat:03605442 titlu:Segmented Thermoelectric Generator under Variable Pulsed Heat Input Power revista:ENTROPY issnciteaza:1099-4300 AnAparitie:2019 nrAutori:5 zonaCitare:2 https://www.mdpi.com/1099-4300/21/10/929	(8/[5]*[2])	3.2

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titlucitat:Experimental and numerical investigation of hybrid concentrated photovoltaic - Thermoelectric module under low solar concentration issncitat:03605442 titlu:A review on the performance of photovoltaic/thermoelectric hybrid generators revista:INTERNATIONAL JOURNAL OF ENERGY RESEARCH issnciteaza:0363-907X AnAparitie:2020 nrAutori:5 zonaCitare:2 https://onlinelibrary.wiley.com/doi/abs/10.1002/er.5139	(8/[5]*[2])	3.2
titlucitat:Experimental and numerical investigation of hybrid concentrated photovoltaic - Thermoelectric module under low solar concentration issncitat:03605442 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 investigation of hybrid concentrated photovoltaic - Thermoelectric module under low solar concentration issncitat:03605442 titlu:Energy and economic evaluation and multicriteria optimization of different arrangements of integrated photovoltaic thermal and heat recovery wheel system revista:INTERNATIONAL JOURNAL OF ENERGY RESEARCH issnciteaza:0363-907X AnAparitie:2019 nrAutori:5 zonaCitare:2 https://onlinelibrary.wiley.com/doi/abs/10.1002/er.4899	(8/[5]*[2])	3.2
titlucitat:Experimental and numerical investigation of hybrid concentrated photovoltaic - Thermoelectric module under low solar concentration issncitat:03605442 titlu:Annual Energy Harvesting of Passively Cooled Hybrid Thermoelectric Generator-Concentrator Photovoltaic Modules revista:IEEE JOURNAL OF PHOTOVOLTAICS issnciteaza:2156-3381 AnAparitie:2019 nrAutori:5 zonaCitare:2 https://ieeexplore.ieee.org/abstract/document/8848453	(8/[5]*[2])	3.2
titlucitat:Experimental and numerical investigation of hybrid concentrated photovoltaic - Thermoelectric module under low solar concentration issncitat:03605442 titlu:Mathematical modelling and performance evaluation of a hybrid photovoltaic-thermoelectric system revista:ENERGY CONVERSION AND MANAGEMENT issnciteaza:0196-8904 AnAparitie:2019 nrAutori:5 zonaCitare:2 https://www.sciencedirect.com/science/article/pii/S0196890419307824	(8/[5]*[2])	3.2
titlucitat:Experimental and numerical investigation of hybrid concentrated photovoltaic - Thermoelectric module under low solar concentration issncitat:03605442 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:5 zonaCitare:2 https://www.sciencedirect.com/science/article/pii/S0196890419308933	(8/[5]*[2])	3.2
titlucitat:Experimental and numerical investigation of hybrid concentrated photovoltaic - Thermoelectric module under low solar concentration issncitat:03605442 titlu:Performance evaluation of a new design of concentrator photovoltaic and solar thermoelectric generator hybrid system revista:ENERGY CONVERSION AND MANAGEMENT issnciteaza:0196-8904 AnAparitie:2019 nrAutori:5 zonaCitare:2	(8/[5]*[2])	3.2

- <https://www.sciencedirect.com/science/article/pii/S0196890419305370>
titlucitat: Experimental and numerical investigation of hybrid concentrated photovoltaic - Thermoelectric module under low solar concentration (8/[5]*[2]) 3.2
issncitat: 03605442 titlu: Advancements in thermoelectric generators for enhanced hybrid photovoltaic system performance revista: RENEWABLE & SUSTAINABLE ENERGY REVIEWS issnciteaza: 1364-0321
AnAparitie: 2019 nrAutori: 5 zonaCitare: 2
- <https://www.sciencedirect.com/science/article/abs/pii/S1364032119302357>
titlucitat: Experimental and numerical investigation of hybrid concentrated photovoltaic - Thermoelectric module under low solar concentration (8/[5]*[2]) 3.2
issncitat: 03605442 titlu: Experimental optimization of operating conditions for concentrating photovoltaic-thermoelectric hybrid system revista: JOURNAL OF POWER SOURCES issnciteaza: 0378-7753
AnAparitie: 2019 nrAutori: 5 zonaCitare: 2
- <https://www.sciencedirect.com/science/article/abs/pii/S0378775319302733>
titlucitat: Experimental and numerical investigation of hybrid concentrated photovoltaic - Thermoelectric module under low solar concentration (8/[5]*[2]) 3.2
issncitat: 03605442 titlu: Performance and economic limits of passively cooled hybrid thermoelectric generator-concentrator photovoltaic modules revista: APPLIED ENERGY issnciteaza: 0306-2619 AnAparitie: 2019 nrAutori: 5 zonaCitare: 2
- <https://www.sciencedirect.com/science/article/abs/pii/S0306261919301989>
titlucitat: Experimental and numerical investigation of hybrid concentrated photovoltaic - Thermoelectric module under low solar concentration (8/[5]*[2]) 3.2
issncitat: 03605442 titlu: Feasibility analysis of a concentrating photovoltaic-thermoelectric-thermal cogeneration revista: APPLIED ENERGY issnciteaza: 0306-2619 AnAparitie: 2019 nrAutori: 5 zonaCitare: 2
- <https://www.sciencedirect.com/science/article/abs/pii/S0306261918318385>
titlucitat: Performance evaluation of a high-temperature thermoelectric generator under different solar concentrations issncitat: 18766102 titlu: An Experimental Study on the Performance Evaluation and Thermodynamic Modeling of a Thermoelectric Cooler Combined with Two Heatsinks (8/[5]*[2]) 3.2
revista: SCIENTIFIC REPORTS issnciteaza: 2045-2322 AnAparitie: 2019 nrAutori: 5 zonaCitare: 2 <https://www.nature.com/articles/s41598-019-56672-9>
- titlucitat: Study of Temperature Coefficients for Parameters of Photovoltaic Cells issncitat: 1110662X titlu: Numerical and Experimental Investigation of Air Cooling for Photovoltaic Panels Using Aluminum Heat Sinks (8/[3]*[2]) 5.333
revista: INTERNATIONAL JOURNAL OF PHOTOENERGY issnciteaza: 1110-662X AnAparitie: 2020 nrAutori: 3 zonaCitare: 2
<https://www.hindawi.com/journals/ijp/2020/1574274/>
- titlucitat: Study of Temperature Coefficients for Parameters of Photovoltaic Cells issncitat: 1110662X titlu: New method for extracting physical parameters of PV generators combining an implemented genetic algorithm and the simulated annealing algorithm revista: SOLAR ENERGY (8/[3]*[2]) 5.333
issnciteaza: 0038-092X AnAparitie: 2019 nrAutori: 3 zonaCitare: 2
<https://www.sciencedirect.com/science/article/abs/pii/S0038092X19310345>
- titlucitat: Study of Temperature Coefficients for Parameters of Photovoltaic Cells issncitat: 1110662X titlu: Photovoltaic chimney: Thermal modeling and concept demonstration for integration in buildings revista: PROGRESS IN PHOTOVOLTAICS (8/[3]*[2]) 5.333
issnciteaza: 1062-7995 AnAparitie: 2019 nrAutori: 3 zonaCitare: 2 <https://onlinelibrary.wiley.com/doi/full/10.1002/pip.3194>

titlucitat:Study of Temperature Coefficients for Parameters of Photovoltaic Cells issncitat:1110662X titlu:Temperature impact on parameters of In0.3Ga0.7As PV cell under laser irradiation condition revista:AIP ADVANCES issnciteaza:2158-3226 AnAparitie:2019 nrAutori:3 zonaCitare:1 https://aip.scitation.org/doi/10.1063/1.5118930	(8/[3]*[1])	2.666
titlucitat:Study of Temperature Coefficients for Parameters of Photovoltaic Cells issncitat:1110662X titlu:Selection Map for PV Module Installation Based on Shading Tolerability and Temperature Coefficient revista:IEEE JOURNAL OF PHOTOVOLTAICS issnciteaza:2156-3381 AnAparitie:2019 nrAutori:3 zonaCitare:2 https://ieeexplore.ieee.org/document/8668461	(8/[3]*[2])	5.333
titlucitat:Study of Temperature Coefficients for Parameters of Photovoltaic Cells issncitat:1110662X titlu:An Online Novel Two-Layered Photovoltaic Fault Monitoring Technique Based Upon The Hybrid Parameters revista:2019 4TH INTERNATIONAL CONFERENCE ON SMART AND SUSTAINABLE TECHNOLOGIES (SPLITECH) issnciteaza:978-953-290-091-0 AnAparitie:2019 nrAutori:3 zonaCitare:1 https://ieeexplore.ieee.org/document/8783093	(8/[3]*[1])	2.666
titlucitat:Characterization of Photovoltaic-Thermoelectric-Solar Collector Hybrid Systems in Natural Sunlight Conditions issncitat:07339402 titlu:Internet of Things Driven Framework for Smart Solar Energy System revista:JOURNAL OF ENERGY RESOURCES TECHNOLOGY-TRANSACTIONS OF THE ASME issnciteaza:0195-0738 AnAparitie:2020 nrAutori:4 zonaCitare:1 https://asmedigitalcollection.asme.org/energyresources/article-abstract/doi/10.1115/1.4044124/956089/Internet-of-Things-Driven-Framework-for-Smart	(8/[4]*[1])	2
titlucitat:Characterization of Photovoltaic-Thermoelectric-Solar Collector Hybrid Systems in Natural Sunlight Conditions issncitat:07339402 titlu:Hybrid Moth-Flame Optimization Algorithm and Incremental Conductance for Tracking Maximum Power of Solar PV/Thermoelectric System under Different Conditions revista:MATHEMATICS issnciteaza:2227-7390 AnAparitie:2019 nrAutori:4 zonaCitare:2 https://www.mdpi.com/2227-7390/7/10/875	(8/[4]*[2])	4
titlucitat:Implementing a Remote Laboratory on a Chip issncitat:2641287X titlu:From FPGA to Support Cloud to Cloud of FPGA: State of the Art revista:INTERNATIONAL JOURNAL OF RECONFIGURABLE COMPUTING issnciteaza:1687-7195 AnAparitie:2019 nrAutori:4 zonaCitare:1 https://www.hindawi.com/journals/ijrc/2019/8085461/	(8/[4]*[1])	2
titlucitat:Implementing a Remote Laboratory on a Chip issncitat:2641287X titlu:IoT enabling measurement applications in Industry 4.0: platform for remote programming ATEs revista:2018 IEEE INTERNATIONAL WORKSHOP ON METROLOGY FOR INDUSTRY 4.0 AND IOT (METROIND4.0&IOT) issnciteaza:978-1-5386-2497-5 AnAparitie:2018 nrAutori:4 zonaCitare:1 https://ieeexplore.ieee.org/document/8428326	(8/[4]*[1])	2
titlucitat:Design and implementation of RELab system to study the solar and wind energy issncitat:02632241 titlu:A mobile educational tool designed for teaching and dissemination of grid connected photovoltaic systems revista:COMPUTERS & ELECTRICAL ENGINEERING issnciteaza:0045-7906 AnAparitie:2019 nrAutori:2 zonaCitare:2 https://www.sciencedirect.com/science/article/pii/S004579061831437X	(8/[2]*[2])	8
titlucitat:Methods and techniques to determine the dynamic parameters of solar cells: Review issncitat:13640321 titlu:Diagnostic module for series-connected photovoltaic panels revista:SOLAR ENERGY issnciteaza:0038-092X AnAparitie:2020 nrAutori:3 zonaCitare:2	(8/[3]*[2])	5.333

- <https://www.sciencedirect.com/science/article/abs/pii/S0038092X19312332>
titlucitat:Methods and techniques to determine the dynamic parameters of solar cells: Review issncitat:13640321 titlu:Experimental study of static and dynamic behaviours of cracked PV panels revista:IET RENEWABLE POWER GENERATION issnciteaza:1752-1416 AnAparitie:2019 nrAutori:3 zonaCitare:2 <https://ieeexplore.ieee.org/abstract/document/8932705> (8/[3]*[2]) 5.333
- titlucitat:Methods and techniques to determine the dynamic parameters of solar cells: Review issncitat:13640321 titlu:Assessment of induced voltages in common and differential-mode for a PV module due to nearby lightning strikes revista:IET RENEWABLE POWER GENERATION issnciteaza:1752-1416 AnAparitie:2019 nrAutori:3 zonaCitare:2 <https://ieeexplore.ieee.org/document/8732310> (8/[3]*[2]) 5.333
- titlucitat:Methods and techniques to determine the dynamic parameters of solar cells: Review issncitat:13640321 titlu:Calculation of the Shunt Resistance across the Absorber Layer of Hydrogenated Amorphous Silicon Photovoltaic Cells revista:2019 6TH INTERNATIONAL CONFERENCE ON ELECTRICAL AND ELECTRONICS ENGINEERING (ICEEE 2019) issnciteaza:978-1-7281-3910-4 AnAparitie:2019 nrAutori:3 zonaCitare:1 <https://ieeexplore.ieee.org/document/8792504> (8/[3]*[1]) 2.666
- titlucitat:Methods and techniques to determine the dynamic parameters of solar cells: Review issncitat:13640321 titlu:Cracks in silicon photovoltaic modules: a review revista:JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS issnciteaza:1454-4164 AnAparitie:2019 nrAutori:3 zonaCitare:1 <https://joam.inoe.ro/articles/cracks-in-silicon-photovoltaic-modules-a-review/> (8/[3]*[1]) 2.666
- titlucitat:Accelerated Life Test for Photovoltaic Cells Using Concentrated Light issncitat:1110662X titlu:Reliability Analysis of the 300 W GaInP/GaAs/Ge Solar Cell Array Using PCM revista:JOURNAL OF ASTRONOMY AND SPACE SCIENCES issnciteaza:2093-5587 AnAparitie:2019 nrAutori:3 zonaCitare:1 <http://www.koreascience.or.kr/article/JAKO201917767633418.page> (8/[3]*[1]) 2.666
- titlucitat:FPGA-enabled Hardware Multitasking Applications in Energy Harvesting Laboratories issncitat:00000000 titlu:Review of piezoelectric energy harvesting system and application of optimization techniques to enhance the performance of the harvesting system revista:SENSORS AND ACTUATORS A-PHYSICAL issnciteaza: 0924-4247 AnAparitie:2019 nrAutori:3 zonaCitare:2 (8/[3]*[2]) 5.333
- <https://www.sciencedirect.com/science/article/abs/pii/S0924424719312816>
titlucitat:Investigation of the photovoltaic cell/thermoelectric element hybrid system performance issncitat:17578981 titlu:Preliminary experiment on a novel photovoltaic-thermoelectric system in summer revista:ENERGY issnciteaza:0360-5442 AnAparitie:2019 nrAutori:4 zonaCitare:2 (8/[4]*[2]) 4
- <https://www.sciencedirect.com/science/article/abs/pii/S0360544219317359>
titlucitat:Investigation of the photovoltaic cell/thermoelectric element hybrid system performance issncitat:17578981 titlu:Hybrid Moth-Flame Optimization Algorithm and Incremental Conductance for Tracking Maximum Power of Solar PV/Thermoelectric System under Different Conditions revista:MATHEMATICS issnciteaza:2227-7390 AnAparitie:2019 nrAutori:4 zonaCitare:2 <https://www.mdpi.com/2227-7390/7/10/875> (8/[4]*[2]) 4
- titlucitat:Simulated, Hands-on and Remote Laboratories for Studying the Solar Cells issncitat:00000000 titlu: Virtual reality laboratories: a review of experiences revista:INTERNATIONAL JOURNAL OF INTERACTIVE DESIGN AND MANUFACTURING - IJIDEM issnciteaza:1955-2513 AnAparitie:2019 nrAutori:3 zonaCitare:1 (8/[3]*[1]) 2.666

- <https://link.springer.com/article/10.1007/s12008-019-00558-7>
titlucitat: Monthly average daily global and diffuse solar radiation based on (8/[4]*[1]) 2
sunshine duration and clearness index for Brasov, Romania
issncitat: 19417012 titlu: A revisit to solar radiation estimations using
sunshine duration: analysis of impact of these estimations on energy yield of
a PV generating system revista: ENERGY SOURCES PART A-
RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS
issnciteaza: 155
<https://www.tandfonline.com/doi/abs/10.1080/15567036.2019.1677819?journalCode=ueso20>
titlucitat: Remote SoC/FPGA Platform Configuration for Cloud Applications (8/[5]*[1]) 1.6
issncitat: 00000000 titlu: From FPGA to Support Cloud to Cloud of FPGA:
State of the Art revista: INTERNATIONAL JOURNAL OF
RECONFIGURABLE COMPUTING issnciteaza: 1687-7195
AnAparitie: 2019 nrAutori: 5 zonaCitare: 1
<https://www.hindawi.com/journals/ijrc/2019/8085461/>
titlucitat: Remote SoC/FPGA Platform Configuration for Cloud Applications (8/[5]*[1]) 1.6
issncitat: 00000000 titlu: Towards a Secure Partial Reconfiguration of Xilinx
FPGAs revista: 2018 NASA/ESA CONFERENCE ON ADAPTIVE
HARDWARE AND SYSTEMS (AHS 2018) issnciteaza: 1939-7003
AnAparitie: 2018 nrAutori: 5 zonaCitare: 1
<https://ieeexplore.ieee.org/document/8541458>
titlucitat: Methods to determine the dc parameters of solar cells: A critical (8/[3]*[1]) 2.666
review issncitat: 13640321 titlu: Fundamental Aspects Concerning the
Validity of the Standard Equivalent Circuit for Large-Area Silicon Solar
Cells revista: PHYSICA STATUS SOLIDI A-APPLICATIONS AND
MATERIALS SCIENCE issnciteaza: 1862-6300 AnAparitie: 2019 nrAutori: 3
zonaCitare: 1
<https://onlinelibrary.wiley.com/doi/full/10.1002/pssa.201900612>
titlucitat: Methods to determine the dc parameters of solar cells: A critical (8/[3]*[2]) 5.333
review issncitat: 13640321 titlu: Model Reconstruction for Body-Mounted
Solar Arrays of Satellites Based on Limited Information revista: IEEE
TRANSACTIONS ON ENERGY CONVERSION issnciteaza: 0885-8969
AnAparitie: 2019 nrAutori: 3 zonaCitare: 2
<https://ieeexplore.ieee.org/document/8642951>
titlucitat: Methods to determine the dc parameters of solar cells: A critical (8/[3]*[2]) 5.333
review issncitat: 13640321 titlu: Evaluation of mathematical methods to
characterize the electrical parameters of photovoltaic modules
revista: ENERGY CONVERSION AND MANAGEMENT issnciteaza: 0196-
8904 AnAparitie: 2019 nrAutori: 3 zonaCitare: 2
<https://www.sciencedirect.com/science/article/pii/S0196890419304911>
titlucitat: Methods to determine the dc parameters of solar cells: A critical (8/[3]*[2]) 5.333
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
<https://www.sciencedirect.com/science/article/abs/pii/S0960148118310802>
titlucitat: Methods to determine the dc parameters of solar cells: A critical (8/[3]*[1]) 2.666
review issncitat: 13640321 titlu: Effect of 1070 nm laser intensity on
parameters of In0.3Ga0.7As solar cell revista: CHINESE OPTICS LETTERS
issnciteaza: 1671-7694 AnAparitie: 2019 nrAutori: 3 zonaCitare: 1
<https://www.osapublishing.org/col/abstract.cfm?uri=col-17-3-031601>

titlucitat:Remote SoC/FPGA platform configuration for cloud applications (4/[5]) issncitat:- titlu:A framework for remote and adaptive partial reconfiguration of SoC based data acquisition systems under Linux revista:Reconfigurable Communication-centric Systems-on-Chip (ReCoSoC), 2015 10th International Symposium on, IEEEEXPLORE issnciteaza:- AnAparitie:2015 nrAutori:5		0.8WOS:0003 803962000 14
titlucitat:New tools in hardware and software design applied for remote (4/[5]) photovoltaic laboratory issncitat:- titlu:E-learning applications for remotely accessible photovoltaic array educational laboratories revista:2017 IEEE Global Engineering Education Conference (EDUCON) issnciteaza:- AnAparitie:2017 nrAutori:5		0.8
titlucitat:The methods to determine the series resistance and the ideality (4/[4]) factor of diode for solar cells issncitat:- titlu:Suitability of Electrical Coupling in Solar Cell Thermoelectric Hybridization revista:Designs issnciteaza:2411-9660 AnAparitie:2018 nrAutori:4		1
titlucitat:PERFORMANCE EVALUATION OF THE THERMOELECTRIC (4/[4]) GENERATOR. issncitat:- titlu:Design and Implementation of thermoelectric Energy Harvesting System with Thermoelectric Generator for Automobiles Battery Charging revista:2018 Second International Conference on Inventive Communication and Computational Technologies (ICICCT) issnciteaza:- AnAparitie:2018 nrAutori:4		1
titlucitat:NI ELVIS IN REMOTE ELECTRONIC LABORATORY-REL (4/[5]) issncitat:----- titlu:Remote laboratory as conceptula model of blended learning revista:SOCIETY. INTEGRATION. EDUCATION. Proceedings of the International Scientific Conference issnciteaza:2256-0629 AnAparitie:2016 nrAutori:5		0.8 http://journals.ru.lv/index.php/SIE/article/view/1421
titlucitat:Application of successive discretization algorithm for determining (4/[3]) photovoltaic cells parameters issncitat:01968904 titlu:One shape parameter- based explicit model for photovoltaic cell and panel revista:Sustainable Energy, Grids and Networks issnciteaza:2352-4677 AnAparitie:2020 nrAutori:3		1.333
titlucitat:Application of successive discretization algorithm for determining (4/[3]) photovoltaic cells parameters issncitat:01968904 titlu:Study of Models Using One or Two Exponentials to Simulate the Characteristic Current- voltage of Silicon Solar Cells revista:European Journal of Electrical Engineering issnciteaza:2103-3641 AnAparitie:2019 nrAutori:3		1.333
titlucitat:Solar cell capacitance determination based on an RLC resonant (4/[5]) circuit issncitat:19961073 titlu:Analysis of solar panel's lumped equivalent circuit parameters using LASSO revista:2019 IEEE Energy Conversion Congress and Exposition (ECCE) issnciteaza:2329-3748 AnAparitie:2019 nrAutori:5		0.8
titlucitat:Solar cell capacitance determination based on an RLC resonant (4/[5]) circuit issncitat:19961073 titlu:Spread Spectrum Time Domain Reflectometry (SSTD) and Dictionary Matching to Measure Capacitance for PV cells revista: 2019 IEEE AUTOTESTCON issnciteaza:1558-4550 AnAparitie:2019 nrAutori:5		0.8
titlucitat:Study of combined photovoltaic cell/thermoelectric element/solar (4/[4]) collector in medium concentrated light issncitat:18766102 titlu:Experimental Investigations of the Effect of Temperature on Power in a Combined Photovoltaic Cell and Thermo-Electric revista:Advances in Electronics Engineering issnciteaza:1876-1100 AnAparitie:2019 nrAutori:4		1

titlucitat:Study of combined photovoltaic cell/thermoelectric element/solar collector in medium concentrated light issncitat:00000000 titlu:Potential energy of photon passes through cold mirror on photovoltaic-thermoelectric generator with artificial lights radiation revista:Journal of Physics: Conference Series issnciteaza:1742-6588 AnAparitie:2019 nrAutori:4	(4/[4])	1
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	(4/[4])	1
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	(4/[3])	1,333
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	(4/[2])	2https://online-journals.org/index.php/ijoe/article/view/8992
TOTAL		43.279

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

titlu:International Journal of Photoenergy DataAparitie:2018	(10)	10https://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:	770.48
Citari BDI:	43.279

TOTAL Citari: 770.48 + 43.279

813,759

TOTAL 3: 813,759+ 20 + 75

908,759

TOTAL 3: 230 + 1487,5565+ 908,759

2626,3155

Criteriu	Cerințe minime (punctaj)	Realizat (punctaj)
Activitate Didactică și Profesională (A1)	100	230
Activitatea de cercetare (A2)	600	1487,5565
Recunoașterea impactului cercetării (A3)	150	908,759
Total	850	2626,3155

Criteriu	Cerinte minime Nr.	Realizat Nr.
Cărți	1	5
Art. ISI	15 (3 in Q1 sau Q2)	52 (12)
Director de proiect	2	6
Citări ISI	25	206
Factor impact cumulat	10	94,356

Anexa

Anul considerat pentru factorul de impact

Titlu	An considerat
Management and Performance Control Analysis of Hybrid Photovoltaic Energy Storage System Under Variable Solar Irradiation	2020
Response of thermoelectric generators to Bi ₂ Te ₃ and Zn ₄ Sb ₃ energy harvester materials under variant solar radiation	2020
Determination of Technological Features of a Solar Photovoltaic Cell Made of Monocrystalline Silicon P+PNN+	2019
Comparative Study of Two Commercial Photovoltaic Panels under Natural Sunlight Conditions	2019
Multiconcept methods to enhance photovoltaic system efficiency	2019
Application of successive discretization algorithm for determining photovoltaic cells parameters	2020
Experimental and numerical study on the transient behavior of multijunction solar cell-thermoelectric generator hybrid	2020
Transient behavior of concentrated solar oxide thermoelectric generator	2020
Experimental and numerical investigation of hybrid concentrated photovoltaic-Thermoelectric module under low solar concentration	2020
Solar Cell Capacitance Determination Based on an RLC Resonant Circuit	2020
Study of Temperature Coefficients for Parameters of Photovoltaic Cells	2020

Leveraging Web Services and FPGA Dynamic Partial Reconfiguration in a Virtual Hardware Design Lab	2017
Characterization of Photovoltaic-Thermoelectric-Solar Collector Hybrid Systems in Natural Sunlight Conditions	2017
Accelerated Life Test for Photovoltaic Cells Using Concentrated Light	2020
Design and implementation of RELab system to study the solar and wind energy	2020
Methods and techniques to determine the dynamic parameters of solar cells	2020
Monthly average daily global and diffuse solar radiation based on sunshine duration and clearness index for Brasov	2020
A Simple Method to Increase the Amount of Energy Produced by the Photovoltaic	2020
Methods to determine the dc parameters of solar cells: A critical review	2020
Crop albedo measurements after anthesis reveal significant differences among romanian wheat cultivars	2020
Significant differences in crop albedo among romanian winter wheat cultivars	2011
Wireless system for monitoring the solar radiation	2011
The characterization of the catalytic materials using the kinetic transient stage	2012
The achievement of an algorithm for the design of a solar furnace	2012
Decarburization Study for Bearing Steel Using Barkhausen Noise	2012
Materials processing using solar energy	2009
Results on series and shunt resistances in a c-Si PV cell. Comparison using existing methods and a new one	2008

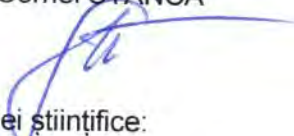
Candidat,

Conf. Dr. Cotfas Daniel Tudor



Director de departament,

Şef lucr. dr. ing. Cornel STANCA



Rezoluția Comisiei științifice:

Membrii Comisiei științifice:

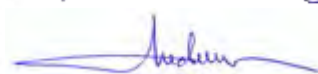
1. prof. dr. Mihai NANOVICE
2. prof. dr. Florin MOLDOVEANU
3. prof. dr. Doru URȘUTIU

Standardele sunt îndeplinite:

☒ Da ☐ Nu



☒ Da ☐ Nu



☒ Da ☐ Nu DA D.Ursutiu