



**Universitatea
Transilvania
din Brașov**

ȘCOALA DOCTORALĂ INTERDISCIPLINARĂ
Bulevardul Eroilor 29
500036 - Brașov
tel.: (+40) 268.413.000 | fax: (+40) 268.410.525
secretariat-sdi@unitbv.ro | www.unitbv.ro

Îndeplinirea standardelor minimale

CANDIDAT:

Conf. dr. ing. Radu Gabriel SĂULESCU

Standardele minime pentru conferirea titlurilor didactice din invatamantul superior_OMENCS_6129_2016

Condiții minime și obligatorii						
Domeniul de activitate		Indicatori	Conferențiar	Profesor	CSII	CSI
Activitatea didactică / profesională (A1)	A1.1	N1	2	2	Nu se aplică	Nu se aplică
		N1.1	0	1		
		N1.3	1	1		
	A1.2	N2	3	4		
		N2.1	1	2		
Activitatea de cercetare (A2)	A2.1 + A2.3	P1+P2	5	10	5	10
		P1	3	6	3	6
	A2.2	N3	8	10	8	10
		N3.1	3	5	3	5
	A2.4 + A2.5	N4	1	2	1	2
		N4.3	0	1	0	1
Recunoașterea impactului activității (A3)	A3.1	S1 + S2	10	50	10	50
	A3.2	N5	5	10	5	10
	A3.3	C	10	25	10	25

unde:

$P1 = P1.1 + P1.2 + P1.3 + P1.4$; $P2 = P2.1 + P2.2$;

$N1 = N1.1 + N1.2$; $N2 = N2.1 + N2.2 + N2.3$; $N3 = N3.1 + N3.2$;

$N4 = N4.1 + N4.2 + N4.3 + N4.4$.

Conditii minime				
Domeniul de activitate		Indicatori	Punctaj propus	Punctaj obtinut
Activitatea didactica/ profesionala (A1)	A1.1	N1	2	3
		N1.1	1	1
		N1.3	1	5
	A1.2	N2	4	7
		N2.1	2	3
Activitatea de cercetare (A2)	A2.1+A2.3	P1+P2	10	19.89002381
		P1	6	15.00835714
	A2.2	N3	10	13
		N3.1	5	5
	A2.4+A2.5	N4	2	7
		N4.3	1	1
Recunoasterea impactului (A3)	A3.1	S1+S2	50	83.99416152
	A3.2	N5	10	20
	A3.3	C	25	125.228

total N1 3

N1.1 **Manuale suport curs (autor)** totalN1.1 1

Nr.crt.	Denumire	Punctaj
1	Saulescu, R., Ciobanu, D., Neagoie, M., Jaliu, C.. Mecanisme. Elemente de teorie si aplicatii, Suport de curs universitar, Universitatea Transilvania Braşov, ISBN 987-606-19-0850-9, 2016	1

total 1

N1.2 **Manuale suport curs (coautor)** totalN1.2 2

Nr.crt.	Denumire	Punctaj
1	Jaliu, C., Diaconescu, D., Neagoie, M., Săulescu, R. Gear mechanisms. Structure. Kinematics. Dynamics. Ed. Universitii Transilvania din Braşov. ISBN: 973-635-623-X, 2006	1
2	Diaconescu, D., Neagoie, M., Jaliu, C., Săulescu, R. Products' Conceptual Design. Ed. Universitii Transilvania din Braşov. ISBN: 978-973-598-230-0, 2010	1

total 2

N1.3 **Format electronic disponibil pe platforma universitatii (autor)** totalN1.3 5

Nr.crt.	Denumire	Punctaj
1	Bazele Proiectarii produselor	1
2	Design conceptual	1
5	Proiectare avansata in inginerie	1
3	Mecanisme_IEI_ID	1
4	Mecanisme_IFR	1

total 5

totalN2 7

N2.1 Standuri de laborator total N2.1 3

Nr.crt.	Denumire	Punctaj
1	Stand pentru înțelegerea funcțională a unei mașini de brichetat	1
2	Stand pentru determinarea randamentului angrenajelor	1
3	Stand pentru studiul cinematic al unei unități planetare cu roți cilindrice	1

total 3

N2.2 Indrumar laborator/ carte aplicatii total N2.2 4

Nr.crt.	Denumire	Punctaj
1	Jaliu, C., Diaconescu, D., Neagoe, M., Ciobanu, D., Săulescu, R. Applications of mechanism analysis and synthesis. Ed. Universitii Transilvania din Brașov. ISBN: 973-635-155-6, 2003	1
2	Saulescu, R., Neagoe, M., Jaliu, C., Climescu, O. <i>Mecanisme cu roti dintate</i> , Universitatea Transilvania Brașov, 2014, CD	1
3	Neagoe, M., Vântu, M., Saulescu, R., Crețescu, N. Elemente de inteligență artificială, Îndrumar de laborator, Universitatea Transilvania Brașov, 2004.	1
4	Ciobanu, D., Jaliu, C., Neagoe, M., Saulescu, R. Mechanisms. Applied Theory. Universitatea Transilvania Brașov, ISBN: 978-606-19-0976-6, 2018.	1

total 4

Autor

Articole științifice publicate în reviste de specialitate cotate ISI, sau în reviste/volume indexate ISI

total

7.052

Nr.crt.	Lucrare		nr. autori	Punctaj
	Denumire	FI		
1	Conceptual Synthesis of Speed Increaseers for Wind Turbine Conversion Systems Energies 2018, 11, 2257; doi:10.3390/en11092257 in curs de aparitie	2.676	3	5.752
2	Geometric modelling of the contact point between the bushing and sprocket in chain drives Author(s): Saulescu, R (Saulescu, R.); Velicu, R (Velicu, R.); Lates, M (Lates, M.) Edited by: Ripa M; Ripeanu RG; Cicone Source: 13TH INTERNATIONAL CONFERENCE ON TRIBOLOGY (ROTRIB'16) Book Series: IOP Conference Series-Materials Science and Engineering Volume: 174 Article Number: UNSP 012049 DOI: 10.1088/1757-899X/174/1/012049 Published: 2017 Accession Number: WOS:000399753500049 Conference Title: 13th International Conference on Tribology (ROTRIB) Conference Date: SEP 22-24, 2016 Conference Location: Galati, ROMANIA Conference Sponsors: Univ Galati, Dunarea Jos, Romanian Tribol Assoc, SC Etansari Grafex SRL, S.C. TOTAL LUBRICANTS ROMANIA S.A., SC NASDIS Consulting SRL, Nanomechan Inc, SC TECHNO VOLT SRL, SC RO MEGA CONTROL SRL, SC MECRO SYSTEM SRL, Gamax Lab Solut Ltd, SC Sartorom Impex SRL, TTZH Tribologie & Hochtechnologie GmbH, Nanovea Inc, SC HISTERESIS SRL, SC NavGAL PROFESSIONAL TEAM SRL, Ducom Instruments Europe B V, SC BRD Groupe Soc Generale SA ISSN: 1757-8981	0	3	0.4
3	Performance analysis of a novel planetary speed increaser used in single-rotor wind turbines with counter-rotating electric generator Author(s): Saulescu, R (Saulescu, R.); Neagoe, M (Neagoe, M.); Munteanu, O (Munteanu, O.); Cretescu, N (Cretescu, N.) Edited by: Doro ei I; Popescu A; Bujoreanu C Source: 7TH INTERNATIONAL CONFERENCE ON ADVANCED CONCEPTS IN MECHANICAL ENGINEERING Book Series: IOP Conference Series-Materials Science and Engineering Volume: 147 Article Number: UNSP 012090 DOI: 10.1088/1757-899X/147/1/012090 Published: 2016 Accession Number: WOS:000390720200090 Conference Title: 7th International Conference on Advanced Concepts in Mechanical Engineering (ACME) Conference Date: JUN 09-10, 2016 Conference Location: Iasi, ROMANIA Conference Sponsors: Gheorghe Asachi Tech Univ Iasi, Mech Engn Fac, Romanian Minist Natl Educ & Sci Res, Romanian Acad Tech Sci, Acad Romanian Scientists	0	4	0.3

4	<p>ON THE USE OF 2 DOF PLANETARY GEARS AS "SPEED INCREASERS" IN SMALL HYDROS AND WIND TURBINES By: Saulescu, Radu; Jaliu, Codruta; Climescu, Oliver; Diaconescu, D. Book Group Author(s): ASME Conference: ASME International Design Engineering Technical Conferences / Computers and Information in Engineering Conference (IDETC/CIE) Location: Washington, DC Date: AUG 28-31, 2011 Sponsor(s): Amer Soc Mech Engineers, Design Engrn Div; Amer Soc Mech Engineers, Comp & Informat Engrn Div., PROCEEDINGS OF THE ASME INTERNATIONAL DESIGN ENGINEERING TECHNICAL CONFERENCES AND COMPUTERS AND INFORMATION IN ENGINEERING CONFERENCE, 2011, VOL 8 Pages: 601-610 Published: 2012 Accession Number: WOS:000324349100064</p>	0	4	0.3
5	<p>On a New Planetary Speed Inverter Drive Used in Small Hydros. Part II. Dynamic Model Author(s): Saulescu, R (Saulescu, R.); Jaliu, C (Jaliu, C.); Diaconescu, D (Diaconescu, D.); Climescu, O (Climescu, O.) Edited by: Pislă D; Ceccarelli M; Husty M; Corves B Source: NEW TRENDS IN MECHANISM SCIENCE: ANALYSIS AND DESIGN Book Series: Mechanisms and Machine Science Volume: 5 Pages: 209-216 DOI: 10.1007/978-90-481-9689-0_24 Published: 2010 Accession Number: WOS:000395597100024 Conference Title: 3rd European Conference on Mechanisms Science (EUCOMES 2010 Conference) Conference Date: SEP 14-18, 2010 Conference Location: Tech Univ Cluj Napoca, Fac Machine Bldg, Cluj Napoca, ROMANIA Conference Sponsors: Tech Univ Cluj Napoca, Ctr Ind Robots Simulat & Test, Int Federat Promot Mech & Machine Sci, Romanian Natl Author Sci Res ANCS Conference Host: Tech Univ Cluj Napoca, Fac Machine Bldg ISSN: 2211-0984 ISBN: 978-90-481-9688-3</p>	0	4	0.3

total

7.052

Coautor **Articole științifice publicate în reviste de specialitate cotate ISI, sau în reviste/volume indexate ISI** total **7.956357**

Nr.crt.	Lucrare		nr. autori	Punctaj
	Denumire	FI		
1	<p>Novel Speed Increaser Used in Counter-Rotating Wind Turbines Author(s): Neagoe, M (Neagoe, M.); Saulescu, R (Saulescu, R.); Jaliu, C (Jaliu, C.); Cretescu, N (Cretescu, N.) Edited by: Corves B; Lovasz EC; Husing M; Maniu I; Gruescu C Source: NEW ADVANCES IN MECHANISMS, MECHANICAL TRANSMISSIONS AND ROBOTICS Book Series: Mechanisms and Machine Science Volume:46 Pages: 143-151 DOI: 10.1007/978-3-319-45450-4_15 Published: 2017 Accession Number: WOS:000404231000015 Conference Title: Joint International Conference of the 12th International Conference on Mechanisms and Mechanical Transmissions (MTM) / 23rd International Conference on Robotics (Robotics) Conference Date: OCT 26-27, 2016 Conference Location: Aachen, GERMANY Conference Sponsors: RWTH Aachen Univ, Dept Mechanism Theory & Dynam Machines, Univ Politehnica Timisoara, Dept Mechatron ISSN: 2211-0984 ISBN: 978-3-319-45450-4; 978-3-319-45449-8</p>	0	4	0.15
2	<p>Kinematic and Dynamic Analysis of a 4DOF Parallel Robot with Flexible Links Author(s): Cretescu, N (Cretescu, N.); Neagoe, M (Neagoe, M.); Saulescu, R (Saulescu, R.) Edited by: Corves B; Lovasz EC; Husing M; Maniu I; Gruescu C Source: NEW ADVANCES IN MECHANISMS, MECHANICAL TRANSMISSIONS AND ROBOTICS Book Series: Mechanisms and Machine Science Volume: 46 Pages: 473-481 DOI: 10.1007/978-3-319-45450-4_48 Published: 2017 Accession Number: WOS:000404231000048 Conference Title: Joint International Conference of the 12th International Conference on Mechanisms and Mechanical Transmissions (MTM) / 23rd International Conference on Robotics (Robotics) Conference Date: OCT 26-27, 2016 Conference Location: Aachen, GERMANY Conference Sponsors: RWTH Aachen Univ, Dept Mechanism Theory & Dynam Machines, Univ Politehnica Timisoara, Dept Mechatron ISSN: 2211-0984 ISBN: 978-3-319-45450-4; 978-3-319-45449-8</p>	0	3	0.2

3	<p>Contact point of bush - sprocket tooth depending on pitch differences of bush chain transmissions</p> <p>Author(s): Velicu, R (Velicu, R.); Saulescu, R (Saulescu, R.); Jurj, L (Jurj, L.)</p> <p>Edited by: Doro ei I; Popescu A; Bujoreanu C</p> <p>Source: 7TH INTERNATIONAL CONFERENCE ON ADVANCED CONCEPTS IN MECHANICAL ENGINEERING Book Series: IOP Conference Series- Materials Science and Engineering Volume: 147 Article Number: UNSP 012039 DOI: 10.1088/1757-899X/147/1/012039 Published: 2016</p> <p>Accession Number: WOS:000390720200039</p> <p>Conference Title: 7th International Conference on Advanced Concepts in Mechanical Engineering (ACME)</p> <p>Conference Date: JUN 09-10, 2016</p> <p>Conference Location: Iasi, ROMANIA</p> <p>Conference Sponsors: Gheorghe Asachi Tech Univ Iasi, Mech Engrn Fac, Romanian Minist Natl Educ & Sci Res, Romanian Acad Tech Sci, Acad Romanian Scientists</p> <p>ISSN: 1757-8981</p>	0	3	0.2
4	<p>HYBRID SYSTEM FOR A STAND-ALONE APPLICATION</p> <p>By: Jaliu, C (Jaliu, C.); Saulescu, R (Saulescu, R.); Ciobanu, D (Ciobanu, D.)</p> <p>Edited by: Popescu D</p> <p>Source: 2016 INTERNATIONAL CONFERENCE ON PRODUCTION RESEARCH - REGIONAL CONFERENCE AFRICA, EUROPE AND THE MIDDLE EAST (ICPR-AEM 2016) AND 4TH INTERNATIONAL CONFERENCE ON QUALITY AND INNOVATION IN ENGINEERING AND MANAGEMENT (QIEM 2016) Pages: 124-129 Published: 2016</p> <p>Accession Number: WOS:000436122900021</p> <p>Conference Title: International Conference on Production Research - Africa, Europe and the Middle East (ICPR-AEM) / 4th International Conference on Quality and Innovation in Engineering and Management (QIEM)</p> <p>Conference Date: JUL 25-30, 2016</p> <p>Conference Location: Cluj Napoca, ROMANIA</p> <p>Conference Sponsors: IFPR, Tech Univ Cluj Napoca, INOTEC, Bielomatik, CMIE, Tenaris Silcotub, IRUM</p> <p>ISBN: 978-606-737-180-2</p>	0	3	0.2
5	<p>Design and experimental optimisation of a novel flat plate solar thermal collector with trapezoidal shape for facades integration</p> <p>By: I Visa, A Duta, M Comsit, M Moldovan, D Ciobanu, R Saulescu, B Burduhos.</p> <p>APPLIED THERMAL ENGINEERING Volume: 90 Pages: 432-443</p> <p>Published: NOV 5 2015</p> <p>Accession Number: WOS:000364246500047</p>	3.771	7	1.701857
6	<p>Bearing friction vs. chain friction for chain drives</p> <p>Author(s): Todi-E imie, A (Todi-E imie, Alina); Velicu, R (Velicu, Radu); Saulescu, R (Saulescu, Radu); Jaliu, C (Jaliu, Codruta)</p> <p>Edited by: Sang X; Kim YH</p> <p>Source: MATERIALS PROCESSING AND MANUFACTURING III, PTS 1-4 Book Series: Advanced Materials Research Volume: 753-755 Pages: 1110-1113 DOI:10.4028/www.scientific.net/AMR.753-755.1110</p>	0	4	0.15

	<p>Published: 2013 Accession Number: WOS:000336944700222 Conference Title: 3rd International Conference on Advanced Engineering Materials and Technology (AEMT 2013) Conference Date: MAY 11-12, 2013 Conference Location: Zhangjiajie, PEOPLES R CHINA Conference Sponsors: Hebei Prov Key Lab Inorgan Nonmetall Mat, Korea Maritime Univ ISSN: 1022-6680 ISBN: 978-3-03785-764-9</p>			
7	<p>KINEMATIC MODELLING AND VR SIMULATION OF A 3DOF MEDICAL PARALLEL ROBOT WITH ONE DECOUPLED MOTION By: Nadia, C (Nadia, Cretescu); Mircea, N (Mircea, Neagoe); Radu, S (Radu, Saulescu) Edited by: Carausu, C (Carausu, C); Cohal V (Cohal, V); Doroftei I (Doroftei, I) Source: MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING Book Series Title: Advanced Materials Research Volume: 837, Pages: 567-572, DOI: 10.4028/www.scientific.net/AMR.837.567, Published: 2014 Conference Title: ModTech International Conference - Modern Technologies in Industrial Engineering Conference Date: JUN 27-29, 2013 Conference Location: Profess Assoc Modern Mfg Technol, Sinaia, ROMANIA Sponsor(s): Silesian Univ Technol; Maritime Univ Constanta Conference Host: Profess Assoc Modern Mfg Technol ISSN: 1022-6680 ISBN: 978-3-03785-929-2 Accession Number: WOS:000337000500098</p>	0	3	0.2
8	<p>DYNAMIC MODELLING OF A 3DOF MEDICAL PARALLEL ROBOT WITH ONE DECOUPLED MOTION By: Mircea, N (Mircea, Neagoe); Nadia, C (Nadia, Cretescu); Radu, S (Radu, Saulescu) Edited by: Carausu, C (Carausu, C); Cohal V (Cohal, V); Doroftei I (Doroftei, I) Source: MODERN TECHNOLOGIES IN INDUSTRIAL ENGINEERING Book Series Title: Advanced Materials Research Volume: 837; Pages: 594-599; DOI: 10.4028/www.scientific.net/AMR.837.594; Published: 2014 Conference Title: ModTech International Conference - Modern Technologies in Industrial Engineering Conference Date: JUN 27-29, 2013 Conference Location: Profess Assoc Modern Mfg Technol, Sinaia, ROMANIA Sponsor(s): Silesian Univ Technol; Maritime Univ Constanta Conference Host: Profess Assoc Modern Mfg Technol ISSN: 1022-6680 ISBN: 978-3-03785-929-2 Accession Number: WOS:000337000500103</p>	0	3	0.2

9	<p>On New High Performance Systems with Linear Actuators for Diurnal Orientation of PV Platforms</p> <p>Author(s): Neagoe, M (Neagoe, Mircea); Vatasescu, MM (Vatasescu, Maria M.); Saulescu, RG (Saulescu, Radu G.); Creanga, N (Creanga, Nora)</p> <p>Edited by: Gogu G; Maniu I; Lovasz EC; Fauroux JC; Ciupe V</p> <p>Source: MECHANISMS, MECHANICAL TRANSMISSIONS AND ROBOTICS Book Series: Applied Mechanics and Materials Volume: 162 Pages: 214-223 DOI:10.4028/www.scientific.net/AMM.162.214 Published: 2012</p> <p>Accession Number: WOS:000309782300025</p> <p>Conference Title: MTM and Robotics 2012 - Joint International Conference of the 11th International Conference on Mechanisms and Mechanical Transmissions/International Conference on Robotics</p> <p>Conference Date: JUN 06-08, 2012</p> <p>Conference Location: Clermont Ferrand, FRANCE</p> <p>Conference Sponsors: Pascal Inst, CNRS, IFMA, UBP, Int Fed Promot Mech & Machine Sci, Robot Soc Romania</p> <p>ISSN: 1660-9336</p> <p>ISBN: 978-3-03785-395-5</p>	0	4	0.15
10	<p>New Linkage with Linear Actuator for Tracking PV Systems with Large Angular Stroke</p> <p>Author(s): Visa, I (Visa, Ion); Diaconescu, D (Diaconescu, Dorin); Saulescu, R (Saulescu, Radu); Vatasescu, M (Vatasescu, Monica); Burduhos, B (Burduhos, Bogdan)</p> <p>Source: CHINESE JOURNAL OF MECHANICAL ENGINEERING Volume: 24 Issue: 5 Pages: 744-751 DOI: 10.3901/CJME.2011.05.744 Published: SEP 2011</p> <p>Accession Number: WOS:000295306100006</p> <p>Conference Title: IFToMM Asian Conference on Mechanism and Machine Science (MMS)</p> <p>Conference Date: OCT 21-25, 2010</p> <p>Conference Location: Taiwan Univ, Taipei, TAIWAN</p> <p>Conference Sponsors: IFToMM</p> <p>Conference Host: Taiwan Univ</p> <p>ISSN: 1000-9345</p>	0	5	0.12
11	<p>SPECIFIC FEATURES OF A COUNTER-ROTATING TRANSMISSION FOR RENEWABLE ENERGY SYSTEMS</p> <p>Author(s): Climescu, O (Climescu, Oliver); Saulescu, R (Saulescu, Radu); Jaliu, C (Jaliu, Codruta)</p> <p>Source: ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 10 Issue: 8 Pages: 1105-1113 Published: AUG 2011</p> <p>Accession Number: WOS:000296758300017</p> <p>Conference Title: 3rd Conference on Sustainable Energy (CSE)</p> <p>Conference Date: NOV 10-12, 2011</p> <p>Conference Location: Brasov, ROMANIA</p> <p>ISSN: 1582-9596</p> <p>eISSN: 1843-3707</p>	1.334	3	1.534
12	<p>ALGORITHM FOR THE DEVELOPMENT OF A CONCEPT FOR A MECHANICAL FUNCTION USED IN RES</p> <p>Author(s): Climescu, O (Climescu, Oliver); Saulescu, R (Saulescu, Radu); Jaliu, C (Jaliu, Codruta); Diaconescu, D (Diaconescu, Dorin)</p>	0	4	0.15

	<p>Edited by: Popescu S; Brad S; Popescu D Source: QUALITY AND INNOVATION IN ENGINEERING AND MANAGEMENT Pages: 391-396 Published: 2011 Accession Number: WOS:000312344600085 Conference Title: 1st International Conference on Quality and Innovation in Engineering and Management (QIEM) Conference Date: MAR 17-19, 2011 Conference Location: Cluj Napoca, ROMANIA ISBN: 978-973-662-614-2</p>			
13	<p>CONCEPTUAL DESIGN OF A CHAIN SPEED INCREASER FOR SMALL HYDROPOWER STATIONS Author(s): Jaliu, C (Jaliu, Codruta); Saulescu, R (Saulescu, Radu); Diaconescu, DV (Diaconescu, Dorin Valentin); Neagoe, M (Neagoe, Mircea) Book Group Author(s): ASME Source: DETC2009: PROCEEDINGS OF THE ASME INTERNATIONAL DESIGN ENGINEERING TECHNICAL CONFERENCES/COMPUTERS AND INFORMATION IN ENGINEERING CONFERENCE Pages: 321-328 Published: 2010 Accession Number: WOS:000283272400035 Conference Title: ASME International Design Engineering Technical Conferences/Computers and Information in Engineering Conference Conference Date: AUG 30-SEP 02, 2009 Conference Location: San Diego, CA Conference Sponsors: ASME, Design Engrn Div, ASME, Comp & Informat Engrn Div ISBN: 978-0-7918-4903-3</p>	0	4	0.15
14	<p>The Optimization of a Bi-Axial Adjustable Mono-Actuator PV Tracking Spatial Linkage Author(s): Diaconescu, D (Diaconescu, D.); Visa, I (Visa, I.); Vatasescu, M (Vatasescu, M.); Saulescu, R (Saulescu, R.); Burduhos, B (Burduhos, B.) Edited by: Pisla D; Ceccarelli M; Husty M; Corves B Source: NEW TRENDS IN MECHANISM SCIENCE: ANALYSIS AND DESIGN Book Series: Mechanisms and Machine Science Volume: 5 Pages: 181-188 DOI: 10.1007/978-90-481-9689-0_21 Published: 2010 Accession Number: WOS:000395597100021 Conference Title: 3rd European Conference on Mechanisms Science (EUCOMES 2010 Conference) Conference Date: SEP 14-18, 2010 Conference Location: Tech Univ Cluj Napoca, Fac Machine Bldg, Cluj Napoca, ROMANIA Conference Sponsors: Tech Univ Cluj Napoca, Ctr Ind Robots Simulat & Test, Int Federat Promot Mech & Machine Sci, Romanian Natl Author Sci Res ANCS Conference Host: Tech Univ Cluj Napoca, Fac Machine Bldg ISSN: 2211-0984</p>	0	5	0.12

15	<p>On a New Planetary Speed Increaser Drive Used in Small Hydros. Part I. Conceptual Design</p> <p>Author(s): Jaliu, C (Jaliu, C.); Diaconescu, D (Diaconescu, D.); Saulescu, R (Saulescu, R.); Climescu, O (Climescu, O.)</p> <p>Edited by: Pisla D; Ceccarelli M; Husty M; Corves B</p> <p>Source: NEW TRENDS IN MECHANISM SCIENCE: ANALYSIS AND DESIGN</p> <p>Book Series: Mechanisms and Machine Science Volume: 5 Pages: 199-207 DOI: 10.1007/978-90-481-9689-0_23 Published: 2010</p> <p>Accession Number: WOS:000395597100023</p> <p>Conference Title: 3rd European Conference on Mechanisms Science (EUROMES 2010 Conference)</p> <p>Conference Date: SEP 14-18, 2010</p> <p>Conference Location: Tech Univ Cluj Napoca, Fac Machine Bldg, Cluj Napoca, ROMANIA</p> <p>Conference Sponsors: Tech Univ Cluj Napoca, Ctr Ind Robots Simulat & Test, Int Federat Promot Mech & Machine Sci, Romanian Natl Author Sci Res ANCS</p> <p>Conference Host: Tech Univ Cluj Napoca, Fac Machine Bldg</p> <p>ISSN: 2211-0984</p> <p>ISBN: 978-90-481-9688-3</p>	0	4	0.15
16	<p>Dynamic Model of a Small Hydropower Plant</p> <p>Author(s): Jaliu, C (Jaliu, C.); Visa, I (Visa, I.); Diaconescu, D (Diaconescu, D.); Saulescu, R (Saulescu, R.); Neagoe, M (Neagoe, M.); Climescu, O (Climescu, O.)</p> <p>Book Group Author(s): Transilvania Univ Brasov, Fac Elect Engrn & Comp Sci</p> <p>Source: OPTIM 2010: PROCEEDINGS OF THE 12TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, PTS IIV</p> <p>Book Series: Proceedings of the International Conference on Optimization of Electrical and Electronic Equipment Pages: 1216-1223 DOI:10.1109/OPTIM.2010.5510517 Published: 2010</p> <p>Accession Number: WOS:000291967300182</p> <p>Conference Title: 12th International Conference on Optimization of Electrical and Electronic Equipment</p> <p>Conference Date: MAY 20-21, 2010</p> <p>Conference Location: Brasov, ROMANIA</p> <p>Conference Sponsors: IEEE, IAS, IEEE, PELS, IEEE, IES</p> <p>ISSN: 1842-0133</p>	0	6	0.1
17	<p>Conceptual Synthesis of Speed Increasers for Renewable Energy Systems</p> <p>Author(s): Jaliu, C (Jaliu, C.); Diaconescu, D (Diaconescu, D.); Neagoe, M (Neagoe, M.); Saulescu, R (Saulescu, R.); Vatasescu, M (Vatasescu, M.)</p> <p>Edited by: Visa I</p> <p>Source: SYROM 2009: PROCEEDINGS OF THE 10TH IFTOMM INTERNATIONAL SYMPOSIUM ON SCIENCE OF MECHANISMS AND MACHINES, 2009 Pages: 171-176 DOI: 10.1007/978-90-481-3522-6_13 Published: 2010</p> <p>Accession Number: WOS:000289492600013</p> <p>Conference Title: 10th International Symposium on Science of Mechanisms and Machines</p>	0	5	0.12

	<p>Conference Date: OCT 12-15, 2009 Conference Location: Brasov, ROMANIA ISBN: 978-90-481-3521-9</p>			
18	<p>Dynamic Features of a Planetary Speed Increaser Usable in Small Hydropower Plants By: Codruta, J (Codruta, Jaliu); Radu, S (Radu, Saulescu); Dorin, D (Dorin, Diaconescu); Mircea, N (Mircea, Neagoe); Oliver, C (Oliver, Climescu) Edited by: Rosen, MA (Rosen, MA); Perryman, R (Perryman, R); Dodds, S (Dodds, S); Muzi, F (Muzi, F); Yuji, W (Yuji, W); Polkowska, Z (Polkowska, Z); Jelenska, M (Jelenska, M); Sobik, M (Sobik, M) Source: RECENT ADVANCES IN ENERGY AND ENVIRONMENT Book Series Title: Energy and Environmental Engineering Series Pages: 241-250; Published: 2010 Conference Title: 5th IASME/WSEAS International Conference on Energy and Environment Conference Date: FEB 23-25, 2010 Conference Location: Univ Cambridge, Cambridge, ENGLAND Sponsor(s): IASME; Conference Host: Univ Cambridge ISBN: 978-960-474-159-5 Accession Number: WOS:000276787500036</p>	0	5	0.12
19	<p>Synthesis of a Bi-Axial Tracking Spatial Linkage with a Single Actuator Author(s): Diaconescu, D (Diaconescu, D.); Visa, I (Visa, I.); Vatasescu, M (Vatasescu, M.); Hermenean, I (Hermenean, I.); Saulescu, R (Saulescu, R.) Edited by: Visa I Source: SYROM 2009: PROCEEDINGS OF THE 10TH IFTOMM INTERNATIONAL SYMPOSIUM ON SCIENCE OF MECHANISMS AND MACHINES, 2009 Pages: 617-625; DOI: 10.1007/978-90-481-3522-6_52 Published: 2010 Accession Number: WOS:000289492600052 Conference Title: 10th International Symposium on Science of Mechanisms and Machines Conference Date: OCT 12-15, 2009 Conference Location: Brasov, ROMANIA ISBN: 978-90-481-3521-9</p>	0	5	0.12
20	<p>Conversion Analysis of A Planetary Chain-Set Speed Reducer into A Speed Increaser to Be Used in RES By: Jaliu, C (Jaliu, Codruta); Diaconescu, D (Diaconescu, Dorin); Saulescu, R (Saulescu, Radu); Neagoe, M (Neagoe, Mircea) Edited by: Batra RC; Qian LF; He Y; Li XN; Zhou KD; Dresig H; Morita Y; Cheung E Source: PROCEEDINGS OF THE THIRD INTERNATIONAL CONFERENCE ON MECHANICAL ENGINEERING AND MECHANICS, VOLS 1 AND 2 Pages: 767-770 Published: 2009 Accession Number: WOS:000276388000135 Conference Title: 3rd International Conference on Mechanical Engineering and Mechanics Conference Date: OCT 21-23, 2009 Conference Location: Beijing, PEOPLES R CHINA ISBN: 978-1-933100-33-3</p>	0	4	0.15

21	<p>THE ECO-IMPACT OF SMALL HYDRO IMPLEMENTATION Author(s): Jaliu, C (Jaliu, Codruta); Diaconescu, D (Diaconescu, Dorin); Neagoe, M (Neagoe, Mircea); Saulescu, R (Saulescu, Radu) Source: ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL Volume: 8 Issue: 4 Pages: 837-841 DOI: 10.30638/eemj.2009.118 Published: JUL-AUG 2009 Accession Number: WOS:000269811500035 Conference Title: International Conference on Materials Science and Engineering (BRAMAT 2009) Conference Date: FEB 26-28, 2009 Conference Location: Brasov, ROMANIA Conference Sponsors: Transilvania Univ Brasov, Romanian Acad Tech Sci ISSN: 1582-9596</p>	1.334	4	1.1505
22	<p>Dynamic Features of Speed Increaseers from Mechatronic Wind and Hydro Systems. Part I: Structure Kinematics Author(s): Jaliu, C (Jaliu, C.); Diaconescu, DV (Diaconescu, D. V.); Neagoe, M (Neagoe, M.); Saulescu, R (Saulescu, R.) Edited by: Ceccarelli M Source: PROCEEDINGS OF EUCOMES 08, THE SECOND EUROPEAN CONFERENCE ON MECHANISM SCIENCE Pages: 351-359 DOI: 10.1007/978-1-4020-8915-2_43; Published: 2009 Accession Number: WOS:000264665300043 Conference Title: 2nd European Conference on Mechanism Science Conference Date: SEP 17-20, 2008 Conference Location: Cassino, ITALY ISBN: 978-1-4020-8914-5</p>	0	4	0.15
23	<p>Dynamic Features of Speed Increaseers from Mechatronic Wind and Hydro Systems. Part II: Dynamic Aspects Author(s): Jaliu, C (Jaliu, C.); Diaconescu, DV (Diaconescu, D. V.); Neagoe, M (Neagoe, M.); Saulescu, R (Saulescu, R.) Edited by: Ceccarelli M Source: PROCEEDINGS OF EUCOMES 08, THE SECOND EUROPEAN CONFERENCE ON MECHANISM SCIENCE Pages: 361-368 DOI: 10.1007/978-1-4020-8915-2_44; Published: 2009 Accession Number: WOS:000264665300044 Conference Title: 2nd European Conference on Mechanism Science Conference Date: SEP 17-20, 2008 Conference Location: Cassino, ITALY ISBN: 978-1-4020-8914-5</p>	0	4	0.15
24	<p>The Synthesis of a Linkage with Linear Actuator for Solar Tracking with Large Angular Stroke Author(s): Visa, I (Visa, Ion); Diaconescu, D (Diaconescu, Dorin); Popa, V (Popa, Valentina); Burduhos, B (Burduhos, Bogdan); Saulescu, R (Saulescu, Radu) Edited by: Ceccarelli M Source: PROCEEDINGS OF EUCOMES 08, THE SECOND EUROPEAN CONFERENCE ON MECHANISM SCIENCE Pages: 447-+ DOI: 10.1007/978-1-4020-8915-2_54; Published: 2009 Accession Number: WOS:000264665300054 Conference Title: 2nd European Conference on Mechanism Science Conference Date: SEP 17-20, 2008</p>	0	5	0.12

	Conference Location: Cassino, ITALY ISBN: 978-1-4020-8914-5			
25	Virtual Prototyping of a New Tracking System Author(s): Ciobanu, D (Ciobanu, Daniela); Visa, I (Visa, Ion); Diaconescu, D (Diaconescu, Dorin); Saulescu, R (Saulescu, Radu) Edited by: Lepadatescu D; Mastorakis NE Source: PROCEEDINGS OF THE 2ND INTERNATIONAL CONFERENCE ON ENVIRONMENTAL AND GEOLOGICAL SCIENCE AND ENGINEERING Book Series: Mathematics and Computers in Science and Engineering Pages: 142-146 Published: 2009 Accession Number: WOS:000272960100021 Conference Title: 2nd International Conference on Environmental and Geological Science and Engineering Conference Date: SEP 24-26, 2009 Conference Location: Transilvania Univ Brasov, Brasov, ROMANIA Conference Host: Transilvania Univ Brasov ISBN: 978-960-474-119-9	0	4	0.15
26	On a new cycloidal planetary gear used to fit mechatronic systems of RES Author(s): Neagoe, A (Neagoe, A.); Diaconescu, D (Diaconescu, D.); Jaliu, C (Jaliu, C.); Pascale, L (Pascale, L.); Saulescu, R (Saulescu, R.); Sisca, S (Sisca, S.) Edited by: Cernat M Source: PROCEEDINGS OF THE 11TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, VOL II A AND B Pages: 439-448; Published: 2008 Accession Number: WOS:000258258700072 Conference Title: 11th International Conference on Optimization of Electrical and Electronic Equipment Conference Date: MAY 22-23, 2008 Conference Location: Brasov, ROMANIA	0	6	0.1
27	PV orientation data needed in the design of the pseudo-equatorial tracker's control program Author(s): Diaconescu, DV (Diaconescu, D. V.); Visa, I (Visa, I.); Burduhos, BG (Burduhos, B. G.); Saulescu, R (Saulescu, R.) Edited by: Cernat M Source: PROCEEDINGS OF THE 11TH INTERNATIONAL CONFERENCE ON OPTIMIZATION OF ELECTRICAL AND ELECTRONIC EQUIPMENT, VOL II A AND B Pages: 455-460; Published: 2008 Accession Number: WOS:000258258700074 Conference Title: 11th International Conference on Optimization of Electrical and Electronic Equipment Conference Date: MAY 22-23, 2008 Conference Location: Brasov, ROMANIA	0	4	0.15

total

7.956357

Brevete de invenție

total 4.88166667

Nr.crt.	Denumire	nr. autori	calcul punctaj	brevet acordat
1	Diaconesc, D., Neagoe, M., Jaliu, C., Săulescu, R., Pascale, L., o u, V. Transmisie cicloidală cu role. Brevet de Inven ie nr. 125177	6	0.7	1
2	Visa, I., Du ă-Capră, A., Diaconescu, D., Săulescu, R., Popa, V., Burduhos, B. Mecanisme de orientare. Brevet de Inven ie nr. 125253	6	0.7	1
3	Visa, I., Du ă-Capră, A., Diaconescu, D., Vătășecu, M., Hermenean, I., Săulescu, R., Velicu, R. Mecanisme de orientare. Brevet de Inven ie nr. 126334	7	0.6	1
4	Visa, I., Du ă-Capră, A., Diaconescu, D., Săulescu, R., Vătășecu, M., Burduhos, B., o u, I., Creangă, N. Mecanisme de orientare. Brevet de Inven ie nr. 126335	8	0.525	1
5	Diaconesc, D., Jaliu, C., Neagoe, M., Săulescu, R., Climescu, O. Transmisie planetară cu lan . Brevet de Inven ie nr. 128109	5	0.84	1
6	I Vișa, D Diaconescu, N Creangă, R Săulescu, M Badea, o u I, I Hermenean, B Burduhos. Mecanism de orientare articulat cu ro i din ate A/01074/11.11.2010 rezumat publicat in BOPI nr. 4 din 2011, brevet nr. RO 126230 A0	8	0.525	1
7	Diaconescu, D., Jaliu, C., Neagoe, M., Munteanu, O., Săulescu, R., Climescu, O., Ciobanu, D., Burduhos, B. Transmisie planetara, brevet nr. RO126694	8	0.525	1
8	Visa, I., Diaconescu, D., Neagoe, M., Eftimie, E., Serban, C., Moldovan, M., Săulescu, R., Vătășecu, M., Burduhos, B. Mecanism de orientare monoaxială cu două actuatore liniare, brevet nr. RO 127979	9	0.466666667	1
9	Cerere de brevet invenție. Mecanism de orientare articulat A/01001/22.10.2010 rezumat publicat in BOPI nr. 3 din 2011, brevet nr. RO 126149 A0			0
10	Cerere de brevet invenție. Sistem și metodă de orientare a unui colector solar termic plan în func ie de necesarul termic A/00109/20.02.2012 – rezumat publicat in BOPI nr. 7 din 30.07.2012, brevet nr. RO 127678 A0			0
11	Cerere de brevet invenție. Mecanism de orientare cu bare articulate si angrenaj planetar A/00391/01.06.2012 – rezumat publicat in BOPI nr. 10 din 30.10.2012, brevet nr. RO 127913 A0			0
12	Cerere de brevet invenție. Actuator de joasă viteză cu reductor articulat intermitent A/00664/19.09.12 – rezumat publicat in BOPI nr. 1 din 30.01.2013, brevet nr. RO128120 A0			0
13	Cerere de brevet invenție. Mecanism de orientare cu doua actuatore liniare in paralel pentru siruri fotovoltaice A/00710/08.10.2012 – rezumat publicat in BOPI nr. 4 din 2013, brevet nr. RO128315 A0			0
14	Cerere de brevet invenție. Colector solar termic modular pentru optimizarea prin testare a eficien ei conversiei și creșterea acceptan ei arhitecturale A/00939/02.12.14– rezumat publicat in BOPI nr. 5 din 2015, brevet nr. RO 130275 A0			0
15	Cerere de brevet invenție. Sistem eolian contrarotativ monomobil A/00539/29.07.2016 – rezumat publicat in BOPI nr. 11 din 2016, brevet nr. RO131512 A0			0
16	Cerere de brevet invenție. Amplificator de tura ie planetar monomobil cu două ieșiri contrarotative A/00905/25.11.2016 – rezumat publicat in BOPI nr. 3 din 2017, brevet nr. RO 131740 A0			0

17	Cerere de brevet invenție. Mecanism de orientare monoaxială de înaltă precizie A/00930/28.11.2016 – rezumat publicat în BOPI nr. 4 din 2017, brevet nr. RO 131808 A0			0
18	Cerere de brevet invenție. Amplificator de turație diferențial cu două ieșiri contrarotative A/00326/30.05.2017 – rezumat publicat în BOPI nr. 10 din 2017			0
19	Cerere de brevet invenție. Amplificator de turație planetar monomobil cu două intrări și două ieșiri A/00880/27.10.2017			0
20	Cerere de brevet invenție. Dispozitiv și metodă de ghidare plan-paralelă			0

total

4.88166667

8

Autor **Articole științifice publicate indexate SCOPUS** total N3.1 5

Nr.crt.	Lucrare	Punctaj
	Denumire	
1	Saulescu R., Neagoe M., Jaliu C. Modelling of the static response of a wind/hydro turbine with two rotors and a 1DOF speed increaser. Mechanisms and Machine Science, Vol. 57, pp. 321-329, DOI: 10.1007/978-3-319-79111-1_32, 2018, https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047649891&doi=10.1007%2f978-3-319-79111-1_32&partnerID=40&md5=40767a6cdf4e3aaa06cb76028bc00336	1
2	Saulescu R., Munteanu O., Neagoe M., Cretescu N. On the eccentricity effects in solar tracking triangular linkage with eccentric linear actuator. Mechanisms and Machine Science, Vol 17, pp. 209-216, DOI: 10.1007/978-3-319-01845-4_21, 2014, https://www.scopus.com/inward/record.uri?eid=2-s2.0-84927745264&doi=10.1007%2f978-3-319-01845-4_21&partnerID=40&md5=d7d5412af7f29d30208f0b4a7146b207	1
3	Saulescu R., Jaliu C., Munteanu O., Climescu O. Planetary gear for counter-rotating wind turbines. Applied Mechanics and Materials, Vol 658, pp. 135-140, DOI: 10.4028/www.scientific.net/AMM.658.135, 2014, https://www.scopus.com/inward/record.uri?eid=2-s2.0-84920693541&doi=10.4028%2fwww.scientific.net%2fAMM.658.135&partnerID=40&md5=c739bc033910b85490df79760d165480	1
4	Saulescu R., Neagoe M., Jaliu C. Improving the energy performance of wind turbines implemented in the built environment using counter-rotating planetary transmissions. IOP Conference Series: Materials Science and Engineering , 147(1),012089, DOI: 10.1088/1757-899X/147/1/012089, 2016, https://www.scopus.com/inward/record.uri?eid=2-s2.0-84989811971&doi=10.1088%2f1757-899X%2f147%2f1%2f012089&partnerID=40&md5=4a244566081dabd3f230350d1c59fa29	1
5	Saulescu R., Jaliu C., Ciobanu D., Diaconescu D. Differential planetary gear transmissions usable in renewable energy systems Mechanisms and Machine Science, 3, pp. 273-280, DOI: 10.1007/978-94-007-2727-4_25, 2012, https://www.scopus.com/inward/record.uri?eid=2-s2.0-85034815633&doi=10.1007%2f978-94-007-2727-4_25&partnerID=40&md5=25e130beb4288ec3109b806334b225ef	1

Nr.crt.	Lucrare	Punctaj
	Denumire	
1	Velicu R., Saulescu R., Jurj L. Influence of chain pitch increase on bush-sprocket contact for bush chain drives. Mechanisms and Machine Science, Vol 57, pp. 515-522, DOI: 10.1007/978-3-319-79111-1_51, https://www.scopus.com/inward/record.uri?eid=2-s2.0-85047607390&doi=10.1007%2f978-3-319-79111-1_51&partnerID=40&md5=6b9f5b28cc3151e5f7806c34ea04ac50	1
2	Climescu O., Jaliu C., Saulescu R. Comparative analysis of horizontal small scale wind turbines for a specific application, 2015 IFToMM World Congress Proceedings, IFToMM 2015, ISBN: 978-986046098-8, DOI:10.6567/IFToMM.14TH.WC.OS16.005, https://www.scopus.com/inward/record.uri?eid=2-s2.0-85018987861&doi=10.6567%2fIFToMM.14TH.WC.OS16.005&partnerID=40&md5=1975d7db23141bc53ffc2dc90977aaa510.6567/IFToMM.14TH.WC.OS16.005 ,	1
3	Todi-Eftimie A., Velicu R., Saulescu R., Jaliu C. Geometric modeling of power joints from bush chain drives. Mechanisms and Machine Science 17, pp. 471-479, DOI: 10.1007/978-3-319-01845-4_47, 2014, https://www.scopus.com/inward/record.uri?eid=2-s2.0-84927713127&doi=10.1007%2f978-3-319-01845-4_47&partnerID=40&md5=2acfe1d34f46ab98ac10b05d7dd0b10e	1
4	Climescu O., Jaliu C., Saulescu R. On the efficiency of a planetary speed increaser usable in small hydros. Mechanisms and Machine Science, 13, pp. 259-268, DOI: 10.1007/978-94-007-6558-0_18, 2013, https://www.scopus.com/inward/record.uri?eid=2-s2.0-85035078530&doi=10.1007%2f978-94-007-6558-0_18&partnerID=40&md5=247ff38a766c41cdc5c7e64c8b4e4a6e	1
5	Moldovan M.D., Visa I., Saulescu R., Comsit M. Four-bar linkages with linear actuators used for solar trackers with large angular diurnal strokes. Mechanisms and Machine Science 17, pp. 411-423, DOI: 10.1007/978-3-319-01845-4_41, 2014, https://www.scopus.com/inward/record.uri?eid=2-s2.0-84927708514&doi=10.1007%2f978-3-319-01845-4_41&partnerID=40&md5=67f6616a7c7cb686bde343698e0a4a21	1
6	Ciobanu D., Jaliu C., Saulescu R. Chain tracking system for solar thermal collector. Applied Mechanics and Materials 658, pp. 35-40, DOI: 10.4028/www.scientific.net/AMM.658.35, 2014, https://www.scopus.com/inward/record.uri?eid=2-s2.0-84920648735&doi=10.4028%2fwww.scientific.net%2fAMM.658.35&partnerID=40&md5=0b53fce85977f3045b991f80c032ad9a	1
7	Jaliu C., Neagoe M., Saulescu R., Dobre E.-B. Low-speed actuator used in solar tracking systems. Mechanisms and Machine Science 17, pp. 381-389, DOI: 10.1007/978-3-319-01845-4_38, 2014, https://www.scopus.com/inward/record.uri?eid=2-s2.0-84927777980&doi=10.1007%2f978-3-319-01845-4_38&partnerID=40&md5=7553b265154c8cbb7fb1015a7851f16d	1
8	Neagoe M., Saulescu R., Munteanu O., Burduhos B. Low speed linear actuator for accurate orientation of concentrated solar convertors. Applied Mechanics and Materials 658, pp. 99-104, DOI: 10.4028/www.scientific.net/AMM.658.99, 2014, https://www.scopus.com/inward/record.uri?eid=2-s2.0-84920672696&doi=10.4028%2fwww.scientific.net%2fAMM.658.99&partnerID=40&md5=2033ee3aaa20f83ca9a8329624fa9663	1

N4=N4.3+N4.4

total N4 7

N4.3 Autor

totalN4.3 1

Monografii de specialitate sau capitole în monografii de specialitate

Nr.crt.	Denumire	Punctaj
1	Săulescu, R., Neagoe, M., Jaliu, C. Amplificatoare de turație pentru sistemele eoliene și hidroenergetice. Voll. Modelarea răspunsului mecanic al sistemelor cu generator de curent continuu. Ed. Universitii Transilvania din Brașov. ISBN: 978-606-19-0972-8. ISBN: 978-606-19-0973-5, 2018	1

TOTAL 1

Coautor

Monografii de specialitate sau capitole în monografii de specialitate

totalN4.4 6

Nr.crt.	Denumire	Punctaj
1	Dudi ă, Fl., Diaconescu, D., Böhm, C, Neagoe, M, Săulescu, R. Transmisii cardanice. Ed. Universitii Transilvania din Brașov. ISBN: 973-8196-20-5, 2003	1
2	Diaconescu, D.V, Dudi ă, FL., Neagoe, M, Săulescu, R. Transmisii mecanice. Cuplaje mobile cu bile de tip Weiss și Rzeppa.. Ed. Universitii Transilvania din Brașov. ISBN: 973-635-295-1, 2004	1
3	Bârsan, A., Săulescu, R. Angrenaje cilindrice pentru reductoare de tura ie. Ed. Universitii Transilvania din Brașov. ISBN: 973-635-361-3, 2005	1
4	Neagoe, M., Diaconescu, D., Jaliu, C., Munteanu, O., Săulescu, R., Cre escu, N. Linkage accuracy modelling. Ed. Universitii Transilvania din Brașov. ISBN: 978-973-635-921-7, 2010	1
5	Jaliu, C., Diaconescu, D., Neagoe, M., Munteanu, O., Săulescu, R., Pascale, L., Gall, R. Planetary gearset modelling. Ed. Universitii Transilvania din Brașov. ISBN: 978-973-598-481-6, 2010	1
6	Visa, I., Duta, A., Jaliu, C., Neagoe, M., Comsit, M., Moldovan, M., Ciobanu, D., Burduhos, B., Săulescu, R. The Role of Mechanisms in Sustainable Energy Systems. Ed. Universitii Transilvania din Brașov. ISBN: 978-606-19-0571-3, 2015	1

TOTAL 6

S1

total puncte

S1+S2

83.99416

Contracte internaționale (valori in euro)

Nr.crt	Denumire grant	Anul pontarii	Valoare alocată in euro pe membru	Punctaj obținut
1	Chain Drive Systems - Dynamic Tribology II	2017	4000	4
2	Chain Drive Systems - Dynamic Tribology II	2016	4000	4
3	Chain Drive Systems - Dynamic Tribology II	2015	2300	2.3
4	Chain Drive Systems - Dynamic Tribology (Sisteme de transmisii prin lant - Studiul tribologic in regim de functionare dinamic)	2015	1600	1.6
5	Chain Drive Systems - Dynamic Tribology (Sisteme de transmisii prin lant - Studiul tribologic in regim de functionare dinamic)	2014	5600	5.6
6	Chain Drive Systems - Dynamic Tribology (Sisteme de transmisii prin lant - Studiul tribologic in regim de functionare dinamic)	2013	5797	5.797
7	CDS Dynamic Tribology	2012	5903.6	5.9036
8	Eco-design – An innovative path towards sustainable development, 51388 – IC – 1 – 2004 – 1 – RO – ERASMUS - MODUC – 4/ 2007. Director Bârsan, A	2007	3500	3.5
9	Advanced Computer Aided Design of Ecological Products and Technologies Integrating in green Energy Sources (ADEPT), FP5 Project, Contract G1MA-CT-2002-04038	2017	9500	9.5

total puncte

42.2006

Contracte naționale (valori in lei)

Nr.crt	Denumire grant	Anul pontarii	Valoare alocată in lei pe membru	Curs BNR	Valoare convertita in euro	Punctaj obținut
1	Cresterea competitivității SC ELDON SRL prin optimizarea tehnologiei de fabricație a dulapurilor industriale de podea	2017	12200	4.5681	2670.6946	2.670695
2	Sistem inovativ integrat materiale-Tehnologie -Echipament pentru procese simultane de fotocataliza si adsorbție aplicate in epurarea sustenabila a apelor uzate SimFotoAd	2016	2250	4.4908	501.0243164	0.501024
3	Cresterea competitivității SC ELDON SRL prin optimizarea tehnologiei de fabricație a dulapurilor industriale de podea	2016	2250		501.0243164	0.501024
4	Imbunatatirea performantelor functionale ale dulapurilor Multiflex	2016	4500		1002.048633	1.002049
5	Sisteme solar termice eficiente cu acceptanta ridicata pentru implementare in mediul urban (EST IN URBA)	2015	10000	4.445	2249.718785	2.249719
6	Sistem inovativ integrat materiale-Tehnologie -Echipament pentru procese simultane de fotocataliza si adsorbție aplicate in epurarea sustenabila a apelor uzate SimFotoAd	2015	4500		1012.373453	1.012373
7	Sisteme solar termice eficiente cu acceptanta ridicata pentru implementare in mediul urban (EST IN URBA)	2014	25000	4.4446	5624.803132	5.624803
8	Sistem inovativ sustenabil pentru auto-decontaminarea fotocatalitică a echipamentelor de protectie CBRN – CB-PhotoDea	2014	500		112.4960626	0.112496
9	Sisteme solar termice eficiente cu acceptanta ridicata pentru implementare in mediul urban (EST IN URBA)	2013	15000	4.419	3394.43313	3.394433
10	Sisteme solar termice eficiente cu acceptanta ridicata pentru implementare in mediul urban (EST IN URBA)	2012	1100	4.456	246.8581688	0.246858
11	Sisteme mecatronice complexe pentru aplicatii in medicina SMART	2011	3400	4.2379	802.2841502	0.802284
12	PLATSOL-PV	2010	3000	4.2099	712.6060001	0.712606
13	Sisteme mecatronice inovative destinate microhidrocentralelor pentru exploatarea eficientă a potențialului hidrologic din zonele izolate	2009	8000	4.2373	1887.994714	1.887995
14	CRESTEREA EFICIENTEI CONVERSIEI ENERGIEI SOLARE IN PLATFORME FOTOVOLTAICE ORIENTABILE PLATSOL-PV	2009	8000		1887.994714	1.887995
15	Sisteme mecatronice inovative destinate microhidrocentralelor pentru exploatarea eficientă a potențialului hidrologic din zonele izolate	2008	26250	3.6827	7127.922448	7.127922
16	Studii si simulari privind conceperea de noi variante de reductoare planetare cu raport cinematic si eficienta energetico-economica ridicate, cu utilizare în sisteme de energii regenerabile. Contract nr. 6GR/2008, tema 14/923.	2008	12500		3394.248785	3.394249
17	Studiul, simularea și optimizarea cuplajelor cu bile de tip Weiss si Rzeppa, utilizate in transmisii mecanice. Contract nr. 40533/2003, tema 1/989	2007	6000	3.3373	1797.860546	1.797861
18	Studii si simulari privind conceperea de noi variante de reductoare planetare cu raport cinematic si eficienta energetico-economica ridicate, cu utilizare in sisteme de energii. Proiect CNC SIS tip A regenerabile.	2007	7000		2097.50397	2.097504

19	Modele, programe și simulări pentru optimizarea dinamica a transmisiilor mecanice cu flux energetic ramificat, prin eliminarea defectelor structurale. Contract nr. 27684/2006, tema 9/1060. Faza II/2006 Programe și simulări pentru optimizarea dinamică a transmisiilor mecanice cu flux energetic ramificat.	2006	1400	3.5245	397.2194638	0.397219
20	Cercetări teoretice și experimentale privind optimizarea modelelor teoretice ale robo ilor prin calibrare	2005	26000000	36234.38	717.5505694	0.717551
21	Modele, programe și simulări pentru optimizarea dinamica a transmisiilor mecanice cu flux energetic ramificat, prin eliminarea defectelor structurale. Contract nr. 27684/2006, tema 9/1060. Faza II/2006 Programe și simulări pentru optimizarea dinamică a transmisiilor mecanice cu flux energetic ramificat.	2005	10000000		275.9809882	0.275981
22	Studiul, simularea și optimizarea cuplajelor cu bile de tip Weiss si Rzeppa, utilizate in transmisii mecanice. Contract nr. 40533/2003, tema 1/989	2005	6500000		179.3876423	0.179388
23	Studiul și optimizarea dinamică a variatoarelor planetare de înaltă putere prin conversia sistemului mecanic în sistem mecatronic. Contract nr. 33369/2004, tema 5/1330	2005	15000000		413.9714823	0.413971
24	Cercetări teoretice si experimentale asupra cuplajelor tripode cu contacte exterioare.	2004	0	40532.11	0	0
25	Studiul și optimizarea dinamică a variatoarelor planetare de înaltă putere prin conversia sistemului mecanic în sistem mecatronic. Contract nr. 33369/2004, tema 5/1330	2004	10000000		246.7179725	0.246718
26	Cercetări teoretice și experimentale privind optimizarea modelelor teoretice ale robo ilor prin calibrare.	2004	18000000		444.0923505	0.444092
27	Studii si simulari dinamice in vederea optimizarii transmisiilor cardanice cu arbori elastici. Contract nr. 110/2003, tema 2	2003	27000000	37555.87	718.9288918	0.718929
28	Cercetări teoretice și experimentale privind optimizarea modelelor teoretice ale robo ilor prin calibrare	2003	13000000		346.1509479	0.346151
29	Studii și simulări în vederea optimizării dinamice a transmisiilor cu articula ii cardanice în configura ie spa ială. Contract nr. 143/2002, tema 1	2002	12000000	31255.25	383.9354988	0.383935
30	Studii privind modelarea și simularea corela iilor optimele dintre parametrii caracteristici ai mecanismelor cu came. Contract nr. 33630/1999, tema 17/40	2000	3600000	19955.75	180.3991331	0.180399
31	Studii și programe privind sinteza cinematică a transmisiilor cardanice homocinematice în configura ie spa ială. Contract nr. 3993/2000, tema 8/784	2000	2500000		125.2771758	0.125277
32	Modelarea și optimizarea dinamică a transmisiilor policardanice în configura ie spa ială. Contract nr. 3993/2000, tema 10/785	2000	2500000		125.2771758	0.125277
33	Studii privind modelarea și simularea corela iilor optimele dintre parametrii caracteristici ai mecanismelor cu came. Contract nr. 33630/1999, tema 17/40	1999	3500000	16295.57	214.7822997	0.214782

total punncte **41.79356**

Articole științifice prezentate

Nr.crt.	Locatia		punctaj
1	Constanta, Romania	International Conference TECHNONAV 2006	1
2	Cluj-Napoca, Romania	The 10th International Conference on Mechanisms and Mechanical Transmissions. MTM 2006	1
3	Brasov, Romania	Simpozionul Național cu participare internațională PRASIC 2006	1
4	Brasov, Romania	ICWSE 2007. Proceedings of the International Conference "Wood science and engineering in the third millennium"	1
5	Trnava, Slovakia	The 19th INTERNATIONAL DAAAM SYMPOSIUM "Intelligent Manufacturing & Automation: Focus on Next Generation of Intelligent Systems and Solutions" 22-25th October 2008	1
6	Timisoara, Romania	The First Workshop on Mechanisms, Transmissions and Applications, 2011	1
7	Brasov, Romania	Proceedings of the Conference for Sustainable Energy (CSE) 2011	1
8	Paris, Fran a	28th European PV Solar Energy Conference and Exhibition, EU PVSEC 2013	1
9	Brasov, Romania	The 11th IFToMM International Symposium on Science of Mechanisms and Machines- SYROM 2013	1
10	Bucuresti, Romania	ICAMaT & Robotics & Polcom 2014	1
11	Brasov, Romania	Proceedings of the Conference for Sustainable Energy (CSE) 2014	1
12	Iasi, Roania	THE 6TH INTERNATIONAL CONFERENCE ON ADVANCED CONCEPTS ON MECHANICAL ENGINEERING, ACME 2014	1
13	Iasi, Roania	THE 7TH INTERNATIONAL CONFERENCE ON ADVANCED CONCEPTS ON MECHANICAL ENGINEERING, ACME 2015	1
14	Craiova, Roania	International Conference of Mechanical Engineering, ICOME 2015	1
15	Iasi, Roania	THE 6TH INTERNATIONAL CONFERENCE ON ADVANCED CONCEPTS ON MECHANICAL ENGINEERING, ACME 2016	1
16	Craiova, Roania	International Conference of Mechanical Engineering, ICOME 2017	1
17	Iasi, Roania	The 12th IFToMM International Symposium on Science of Mechanisms and Machines- SYROM 2017	1
18	Oradea, Romania	Annual Session of Scientific Papers IMT ORADEA 2018	1
19	Barcelona, Spania	World Conference on Robotics and Artificial intelligence	1
20	Iasi, Roania	THE 7TH INTERNATIONAL CONFERENCE ON ADVANCED CONCEPTS ON MECHANICAL ENGINEERING, ACME 2018	1

citari in publicatii BDI (ISI+SCOPUS)

total A3.3

125.228

Nr.crt.	Lucrare		FI	citare	Punctaj
	Denumire				
1	ON THE USE OF 2 DOF PLANETARY GEARS AS "SPEED INCREASERS" IN SMALL HYDROS AND WIND TURBINES By: Saulescu, Radu; Jaliu, Codruta; Climescu, Oliver; Diaconescu, D.				
	Review on dynamic analysis of wind turbine geared transmission systems Jixie Gongcheng Xuebao/Journal of Mechanical Engineering, 50 (11), pp. 23-36, 2014		0	1	1
	Testing and FEA as prediction strategies on the ball bearings behaviour International Journal of Surface Science and Engineering, 8 (4), pp. 345-355, 2014		0.184	1	1.184
2	Design and experimental optimisation of a novel flat plate solar thermal collector with trapezoidal shape for facades integration By: I Visa, A Duta, M Comsit, M Moldovan, D Ciobanu, R Saulescu, B Burduhos.				
	Improving the Operation of Solar Water Heating Systems in Green Buildings via Optimized Control Strategies IEEE Transactions on Industrial Informatics 14(4), pp. 1646-1655, 2018		5.43	1	6.43
	Solar water heaters as a pre-heating system for industrial processes Energy Efficiency 11(3), pp. 755-760, 2018		1.634	1	2.634
	Experimental set-up for testing active and passive systems for energy savings in buildings – Lessons learnt Renewable and Sustainable Energy Reviews, 82, pp. 1014-1026, 2018		9.184	1	10.184
	Application of artificial bee colony algorithm for inverse modelling of a solar collector Inverse Problems in Science and Engineering, 25 (6), pp. 887-908, 2017		1.125	1	2.125
	SiO2/TiO2 multi-layered thin films with self-cleaning and enhanced optical properties Bulletin of Materials Science, 40 (3), pp. 473-482, 2017		0.925	1	1.925
	Facades Integrated Solar-thermal Collectors - Challenges and Solutions Energy Procedia, 112, pp. 176-185, 2017		0	1	1
	Infield output of a new solar-thermal façade with increased architectural acceptance Advanced Materials - TechConnect Briefs 2017		0	1	1
	Optimizing energy consumption of hotwater system in buildings with solar thermal systems SMARTGREENS 2017 - Proceedings of the 6th International Conference on Smart Cities and Green ICT Systems, pp. 266-273, 2017		0	1	1
	Performance evaluation of a novel flat-plate solar air collector with micro-heat pipe arrays (MHPA) Applied Thermal Engineering, 118, pp. 1-16,2017		3.771	1	4.771
	Optimal passage size for solar collector microchannel and tube-on-plate absorbers Solar Energy, 153, pp. 718-731, 2017		4.374	1	5.374
	Analysis of utilizing Graphene nanoplatelets to enhance thermal performance of flat plate solar collectors Energy Conversion and Management, 126, pp. 1-11, 2016		5.589	1	6.589
	Review and analysis of solar thermal facades Solar Energy, 135, pp. 408-422, 2016		4.018	1	5.018
	Future trends for solar energy use in nearly zero energy buildings Advances in Solar Heating and Cooling, pp. 547-569, 2016		0	1	1
	Thermal power measurement of the novel evacuated tube solar collector and conventional solar collector during simultaneous operation Measurement: Journal of the International Measurement Confederation, 88, pp. 153-164, 2016		2.359	1	3.359

	Characteristic study of a novel compact Solar Thermal Facade (STF) with internally extruded pin-fin flow channel for building integration Applied Energy, 168, pp. 48-64, 2016	7.182	1	8.182
	Innovative Solutions for Solar Thermal Systems Implemented in Buildings Energy Procedia, 85, pp. 594-602, 2016	0	1	1
	Conceptual Development of a Compact Unglazed Solar Thermal Facade (STF) for Building Integration Energy Procedia, 96, pp. 42-54, 2016	0	1	1
	Experimental analysis of double glazed flat plate solar water heater with various absorber plate geometries International Energy Journal, 15 (4), pp. 151-156, 2015	0	1	1
3	Four-bar linkages with linear actuators used for solar trackers with large angular diurnal strokes Mechanisms and Machine Science, 17, pp. 411-423, 2014			
	Two degrees of freedom parallel linkage to track solar thermal platforms installed on ships IOP Conference Series: Materials Science and Engineering, 147 (1), 012071, 2016	0	1	1
	Optimising the strokes and loads of the linear actuators in a two degrees of freedom linkage used in solar tracking systems 2015 IFToMM World Congress Proceedings, IFToMM 2015	0	1	1
	Mechanisms for deployable stand-alone PV arrays 2015 IFToMM World Congress Proceedings, IFToMM 2015	0	1	1
4	On the eccentricity effects in solar tracking triangular linkage with eccentric linear actuator Mechanisms and Machine Science, 17, pp. 209-216, 2014			
	On a new parallel tracking system for accurate orientation of concentrated solar convertors Applied Mechanics and Materials, 658, pp. 105-110, 2014	0	1	1
5	Geometric modeling of power joints from bush chain drives Mechanisms and Machine Science, 17, pp. 471-479, 2014			
	Static friction coefficient into cylindrical joints assemblies Tribology in Industry, 37 (4), pp. 421-426, 2015	0	1	1
6	Bearing friction vs. chain friction for chain drives Advanced Materials Research, 753-755, pp. 1110-1113, 2013			
	Experimental study on guide friction contribution in global power loss of a tooth chain transmission IOP Conference Series: Materials Science and Engineering, 174 (1), 012051, 2017	0	1	1
	Friction in bearings of parallel axes transmissions Applied Mechanics and Materials, 658, pp. 371-376, 2014	0	1	1
7	On New High Performance Systems with Linear Actuators for Diurnal Orientation of PV Platforms By: Neagoe, Mircea; Vatasescu, Maria M.; Saulescu, Radu G.; Creanga, N.			
	Mechanisms in building integrated renewable energy systems: Case study—solar energy conversion systems Mechanisms and Machine Science, 17, pp. 31-49, 2014	0	1	1
8	New Linkage with Linear Actuator for Tracking PV Systems with Large Angular Stroke By: Visa, Ion; Diaconescu, Dorin; Saulescu, Radu; Vătăşescu, M., Burduhos, B.			
	Kinematical synthesis and numerical analysis of rail-based dual-axis solar tracking system Lecture Notes in Electrical Engineering, 435, pp. 167-175, 2018	0	1	1
	Modeling and optimization of the global solar irradiance collecting efficiency International Journal of Green Energy, 12 (7), pp. 743-755, 2015	1.601	1	2.601
	Thermal load based adaptive tracking for flat plate solar collectors Energy Procedia, 48, pp. 1401-1411, 2014	0	1	1

	Design and prototyping of a cost-effective sun tracking system for photovoltaic panels ASME International Mechanical Engineering Congress and Exposition, Proceedings (IMECE) 6B, 2014	0	1	1
	Mechanisms in building integrated renewable energy systems: Case study—solar energy conversion systems Mechanisms and Machine Science, 17, pp. 31-49, 2014	0	1	1
	Analytical synthesis for four-bar mechanisms used in a pseudo-equatorial solar tracker [Síntesis analítica de los mecanismos de cuatro barras implementados en un seguidor solar pseudo - Ecuatorial] Ingenieria e Investigacion, 33 (3), pp. 55-60, 2013	0.094	1	1.094
	A new vertical axis wind turbine design, integrated in the urban environment European Wind Energy Conference and Exhibition 2012, EWEC 2012 2, pp. 1141-1149, 2012	0	1	1
	Dual-axis tracked vs. fixed PV: Energetic response of one-year testing period in Romania Proceedings of the International Conference on Optimisation of Electrical and Electronic Equipment, OPTIM 6231971, pp. 979-986, 2012	0	1	1
9	The optimization of a bi-axial adjustable mono-actuator PV tracking spatial linkage Mechanisms and Machine Science, 5, pp. 181-188, 2010 By: Diaconescu, D., Visa, I., Vatasescu, M., Saulescu, R., Burduhos, B.			
	Adaptability of solar energy conversion systems on ships IOP Conference Series: Materials Science and Engineering 147 (1), 012070, 2016	0	1	1
	One-dof mechanisms for dual-axis Mechanisms and Machine Science, 17, pp. 481-49, 2014	0	1	1
	Mechanisms in building integrated renewable energy systems: Case study—solar energy conversion systems Mechanisms and Machine Science, 17, pp. 31-49, 2014	0	1	1
10	Synthesis of a Bi-Axial Tracking Spatial Linkage with a Single Actuator By: Diaconescu, D.; Visa, I.; Vatasescu, M.; Hermenean, R. Săulescu.			
	Solar.q-1: A new solar-tracking mechanism based on four-bar linkages Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science 231 (15), pp. 2855-2867, 2017	0.996	1	1.996
	One-dof mechanisms for dual-axis Mechanisms and Machine Science, 17, pp. 481-491, 2014	0	1	1
	4-Bar geared linkage used for photovoltaic azimuth orientation Environmental Engineering and Management Journal, 10 (8), pp. 1139-1148, 2011	1.004	1	2.004
	Azimuth tracking linkage influence on the efficiency of a low CPV system Mechanisms and Machine Science, 5, pp. 157-164, 2010	0	1	1
11	THE ECO-IMPACT OF SMALL HYDRO IMPLEMENTATION By: Jaliu, Codruta; Diaconescu, Dorin; Neagoe, Mircea; Săulescu, R.			
	Experimental investigation and computational fluid dynamics (CFD) analysis of an eco-friendly turbine Environmental Engineering and Management Journal, 16 (4), pp. 979-988, 2017	1.334	1	2.334
	Exceptional floods on a developed river: case study for the Bistrita River from the Eastern Carpathians (Romania) Natural Hazards, 77 (3), pp. 1421-1451, 2015	1.746	1	2.746
	Causes and effects of the catastrophic flooding on the Siret River (Romania) in July-August 2008 Natural Hazards, 69 (3), pp. 1351-1367, 2013	1.958	1	2.958

	Floods in the sired and pruth basins Geomorphological Impacts of Extreme Weather: Case Studies From Central and Eastern Europe, pp. 99-120, 2013	0	1	1
	Rapid manufacturing by polyjet technology of customized turbines for renewable energy generation Environmental Engineering and Management Journal, 10 (9), pp. 1387-1394, 2011	1.004	1	2.004
12	Dynamic Features of Speed Increases from Mechatronic Wind and Hydro Systems. Part I: Structure Kinematics By: Jaliu, C.; Diaconescu, D. V.; Neagoe, M.; Săulescu R.			
	Promoting novel approaches of MMS for sustainable energy applications Mechanisms and Machine Science, 1, pp. 25-34, 2011	0	1	1
13	The Synthesis of a Linkage with Linear Actuator for Solar Tracking with Large Angular Stroke By: Visa, Ion; Diaconescu, Dorin; Popa, Valentina; Burduhos, B., Săulescu R.			
	Kinematical synthesis and numerical analysis of rail-based dual-axis solar tracking system Lecture Notes in Electrical Engineering, 435, pp. 167-175, 2018	0	1	1
	Mechanisms in building integrated renewable energy systems: Case study—solar energy conversion systems Mechanisms and Machine Science, 17, pp. 31-49, 2014	0	1	1
	Promoting novel approaches of MMS for sustainable energy applications Mechanisms and Machine Science, 1, pp. 25-34, 2011	0	1	1
	Synthesis of linkages for tracking systems with increased angular stroke SYROM 2009 - Proceedings of the 10th IFToMM International Symposium on Science of Mechanisms and Machines, pp. 193-206, 2010	0	1	1
14	Virtual prototyping of a new tracking system Proceedings of the 2nd International Conference on Environmental and Geological Science and Engineering, EG '09 pp. 142-146 By: Ciobanu, D., Visa, I., Diaconescu, D., Saulescu, R.			
	Step tracking program for concentrator solar collectors IOP Conference Series: Materials Science and Engineering, 147 (1), 012149, 2016	0	1	1
	Comparative modeling and simulation of control methods for solar tracking systems 14th International Industrial Simulation Conference, ISC 2016, pp. 126-130, 2016	0	1	1
	A mirror tracking mechanism Mechanisms and Machine Science, 3, pp. 111-123, 2012	0	1	1
	Conceptual design of a solar thermal system with dish solar collectors Environmental Engineering and Management Journal, 10 (8), pp. 1087-1095, 2011	1.004	1	2.004
15	On a new cycloidal planetary gear used to fit mechatronic systems of RES By: Neagoe, A.; Diaconescu, D.; Jaliu, C.; Pascale, L., Săulescu, R., Siscă, S .			
	Generation principle of helix tooth profile in hypocycloid pinwheel transmission and its contact characteristics Journal of Donghua University (English Edition), 33 (3), pp. 352-357, 2016	0	1	1
	Dynamic modeling of a new version of cylindrical planetary gear used for a robotic arm Applied Mechanics and Materials, 511-512, pp. 683-686, 2014	0	1	1
	Analysis on sliding velocity of cycloid gear pair during meshing Sensors and Transducers, 16 (SPEC. 1), pp. 218-22, 2012	0	1	1
	Generation and investigation of a new cycloid drive with double contact Mechanism and Machine Theory, 49, pp. 270-283, 2012	1.214	1	2.214

	Design of a Novel Cycloid Drive with a Cycloid-arc Gear and Analysis of Its Meshing Characteristic By: Liu, Jingya; Chen, Bingkui; Matsumura, Shigeki; et al. JOURNAL OF ADVANCED MECHANICAL DESIGN SYSTEMS AND MANUFACTURING Volume: 6 Issue: 2 Pages: 310-322 Published: 2012	0.494	1	1.494
16	PV orientation data needed in the design of the pseudo-equatorial tracker's control program By: Diaconescu, D. V.; Visa, I.; Burduhos, B. G.; R., Săulescu.			
	Adaptive stepwise orientation algorithm for non-concentrated dual-axis solar tracking systems 2015 IFToMM World Congress Proceedings, IFToMM 2015	0	1	1
	Analysis of short-term and long-term characteristics of PV power production IEEE International Symposium on Industrial Electronics, 6865009, pp. 2478-2483, 2014	0	1	1
	Pseudo-equatorial tracking optimization for small photovoltaic platforms from Toronto/Canada Environmental Engineering and Management Journal, 10 (8), pp. 1059-1068, 2011	1.004	1	2.004
	Electrical response of an optimized oriented photovoltaic system Proceedings of the International Conference on Optimisation of Electrical and Electronic Equipment, OPTIM 5510520, pp. 1138-1145, 2010	0	1	1

total 125.228