

## Lista de lucrări

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### Manuale suport de curs

Nr. crt.	Autor(i)	Titlu	Format	Editura/adresa web	Anul	ISBN	Nr.pag.	Obs
1	Gruescu C.	Ingineria optica	tiparit	Politehnica	2012	978-606-554-551-9	326	N1.1
2	Nicoara I., Gruescu C., Sticlaru C.	Fiabilitate si terotehnica	tiparit	Politehnica	2009	978-973-625-638-7	309	N1.2
3	Gruescu C.	Senzori optici si analiza imaginii	electronic		2010		121	N1.1
4	Gruescu C.	Optica tehnica	electronic	<a href="http://www.mec.upt.ro/corina.gruescu/">http://www.mec.upt.ro/corina.gruescu/</a>	2010		118	N1.3
5	Gruescu C.	Fiabilitatea sistemelor mecatronice	electronic	<a href="http://www.mec.upt.ro/corina.gruescu/">http://www.mec.upt.ro/corina.gruescu/</a>	2010		85	N1.3
6	Gruescu C.	Amenajarea ergonomica a mediului	electronic		2013		100	N1.1

### Monografiile/carti de specialitate, format tiparit/electronic

Nr. crt.	Autor(i)	Titlu	Format	Editura/adres web	ISBN	Anul	Nr. Pag.
1	Gruescu C., Zsivanov D.	Aparate spectrale și fotometrice	tiparit	Lito UPT	-	1997	165
2	Gruescu C., Pommersheim A.	Optica tehnică	tiparit	Orizonturi Universitare	973-9400-45-0	1999	195
3	Nicoară I., Gruescu C., Atițoaiei V., Duma V.	Aparate optice, vol. I	tiparit	Orizonturi Universitare	973-9400-95-7	2000	248
4	Gruescu C.	Elemente de optică tehnică și aparate optice	tiparit	Orizonturi Universitare	973-8109-19-1	2001	306
5	Sticlaru C., Balekics M., Gruescu C.	Organe de mașini, vol. II	tiparit	Politehnica	973-8247-55-1	2001	233
6	Nicoara I., Gruescu C., Strauti-Negru G.	Metodica predării specialității	tiparit	Politehnica	8247-99-3	2002	208
7	Nicoară I., Gruescu C.	Educație tehnologică. Domenii profesionale	tiparit	Politehnica	973-625-046-6	2003	81
8	Nicoară I., Gruescu C., Stauți Negru G., Costache M.	Bazele metodicii	tiparit	Politehnica	973-625-054-7	2003	238
9	Gruescu C., Nicoara I.	Aparate optice. Analiza si sinteza subansamblurilor optice lenticulare	tiparit	Politehnica	973-625-158-6	2004	271
10	Bodea R., Gruescu C.	Sinteza subansamblurilor optice corectate la aberații cromatice și spectru secundar	tiparit	Politehnica	978-973-625-461-1	2007	142
11	Gruescu C., Nicoară I., Costache M., Ionescu C.	Aplicații ale metodei Ray Tracing în optica imaging și non-imaging	tiparit	Politehnica	978-972-625-542-7	2008	271
12	Negru-Străuți G., Gruescu C.	Calitatea și tehnologia de execuție a sistemelor optice. Influență și corelație	tiparit	EUROBIT	978-973-620-511-8	2009	154

### Indrumatoare de laborator

Nr. crt.	Autori	Titlu	Format	Editura	Anul	ISBN	Nr.pag.
1	Gruescu C., Bodea R., Pommersheim A.	Masurari optice	tiparit	Politehnica	2006	973-625-195-0	58

2	Gruescu C., Bodea R.	Elemente de analiza si sinteza a sistemelor optice. Aplicatii	tiparit	Politehnica	2006	ISBN 973-625-196-9	110
3	Gruescu C.	Optica tehnica. Aplicatii	electronic		2010		196
4	Gruescu C.	Fiabilitatea sistemelor mecatronice	electronic		2010		26
5	Gruescu C.	Senzori optici si analiza imaginii	electronic		2010		35
6	Gruescu C.	Amenajarea ergonomica a mediului	electronic		2013		24

#### Articole si publicatii stiintifice indexate Web of Science Thomson reuters (WOS)

Nr. Crt.	Autor(i)	Titlu	Date volum revista/conferinta	Anul	WOS
1	Lovasz E.-C., Mesaros-Anghel V., Gruescu C.M., Moldovan C.E., Ceccarelli M.	General algorithm for computing the theoretical centering precision of the gripping devices	Joint International Conference of the 12th International Conference on Mechanisms and Mechanical Transmissions, MTM 2016 and the 23rd International Conference on Robotics, Robotics 2016, Mechanisms and Machine Science, 44, p.15-21	2017	DOI: 10.1007/978-3-319-44087-3_2
2	Mesaros-Anghel V., Lovasz E.-C., Gruescu C.M., Moldovan C.E.	Optimal design of a grasping device through simplified pose synthesis of a four-bar linkage	Joint International Conference of the 12th International Conference on Mechanisms and Mechanical Transmissions, MTM 2016 and the 23rd International Conference on Robotics, Robotics 2016, Mechanisms and Machine Science, 46, p. 3-13	2017	DOI: 10.1007/978-3-319-45450-4_1
3	Stoian A.-M., Maniu I., Lovasz E.-C., Gruescu C.M.	Design solutions to simplify the calibration of a robotic flexible manufacturing system	Joint International Conference of the 12th International Conference on Mechanisms and Mechanical Transmissions, MTM 2016 and the 23rd International Conference on Robotics, Robotics 2016, Mechanisms and Machine Science, 46, p. 229-238	2017	DOI: 10.1007/978-3-319-45450-4_23
4	E. C. Lovasz , D. T. Mărgineanu, V. Ciupe, I. Maniu, C.M. Gruescu, E. S. Zăbavă, S. D. Stan	Design and control solutions for haptic elbow exoskeleton module used in space telerobotics	Mechanism and Machine Theory Volume 107, January 2017, Pages 384–398; ISSN: 0094-114X, <a href="http://dx.doi.org/10.1016/j.mechmachtheory.2016.08.004">http://dx.doi.org/10.1016/j.mechmachtheory.2016.08.004</a>	2017	000390971900027
5	Popa S., Padure M., Gruescu C. M., Boran S.	New Salicylic Acid-Based Azo Dyes Synthesis, Characterization and Colour Properties	REVISTA DE CHIMIE, 12/2015, vol. 66(12), p. 2021-2027, ISSN: 0034-7752	2015	000368437100022
6	E-C. Lovasz, K.-H. Modler, R. Neumann, C. M. Gruescu, D. Perju, V.Ciupe, I. Maniu	Novel Design Solutions for Fishing Reel Mechanisms	CHINESE JOURNAL OF MECHANICAL ENGINEERING, vol. 28(4), p. 726-736, ISSN: 1000-9345, DOI: 10.3901/CJME.2015.0420.063	2015	000357845700008
7	Lovasz E.-C., Grigorescu S.M., Margineanu D.T., Gruescu C.M., Pop C., Ciupe V., Maniu I.	Geared linkages with linear actuation used as kinematic chains of a planar parallel manipulator	3rd International Conference on Mechanisms, Transmissions and Applications, MeTrApp 2015, 31, p. 21-31Mechanisms and Machine Science	2015	DOI: 10.1007/978-3-319-17067-1_3
8	Margineanu, D.; Lovasz, E. - C.; Modler, K. -H.; Gruescu C. M.	Steering and Non-steering Crawling Tetrahedral Micro-mechanisms	3rd Conference on Microactuators and Micromechanisms (MAMM), OCT 02-04, 2014, Mechanisms and Machine Science Volume: 30 Pages: 9-22, Published: 2015, ISBN 978-3-319-15861-7, Online ISBN 978-3-319-15862-4doi: 10.1007/978-3-319-15862-4_2	2015	000368494300002
9	Gruescu, C. M.; Garaiman, A.; Lovasz, E. C.	Modeling of human spinal column and simulation of spinal deformities	MECHANIKA Issue: 3 Pages: 214-219 Published: 2015, DOI: <a href="http://dx.doi.org/10.5755/j01.mech.21.3.8505">http://dx.doi.org/10.5755/j01.mech.21.3.8505</a>	2015	000360140500008
10	E.-C. Lovasz , D. Perju, K.-H. Modler, C. M. Gruescu, D. Mărgineanu, C. E. Moldovan, C. Pop	Path Generating Belt Mechanisms as Kinematic Chains for Mechatronic Applications	5th European Conference on Mechanism Science (EUCOMES) Guimaraes, PORTUGAL, NEW TRENDS IN MECHANISM AND MACHINE SCIENCE: FROM FUNDAMENTALS TO INDUSTRIAL APPLICATIONS, Book Series: Mechanisms and Machine Science Volume: 24 Pages: 111-119, DOI 10.1007/978-3-319-09411-3_12	2015	000357867900012

11	C. M. Gruescu, E.-C. Lovasz, V. Ciupe	Optics Optimization in Laser Spot Radius Minimization	2014 International Conference on Production Research – Regional Conference Africa, Europe and the Middle East, ISBN: 978-973-662-978-5, 3rd International Conference on Quality and Innovation in Engineering and Management	2014	000346410700045
12	E.-C. Lovasz, C. M. Gruescu, A. Garaiman, I. Carabas, R. Bodea	Scanning System Integrated Within Biometric Measurements	New Trends in Medical and Service Robots. Theory and Integrated Applications. MeSRob 2013, Book Series: Mechanisms and Machine Science, vol. 16, p. 131-144, ISBN: 978-3-319-01591-0; 978-3-319-01592-7, ISSN: 2211-0984, doi: 10.1007/978-3-319-01592-7_10	2014	000344057400011
13	E.-C. Lovasz, D. Perju, K.-H. Modler, A.-E. Lovasz, I. Maniu, Gruescu C.	Demonstrative Digital Mechanisms Library	Mechanisms, Mechanical Transmissions and Robotics, Applied Mechanics and Materials, vol. 162 (2012), Trans Tech Publications, Switzerland, ISSN: 1662-7482, ISSN: 1660-9336, doi:10.4028/www.scientific.net/AMM.162.37	2012	000309782300005
14	V. Ciupe, E.-C. Lovasz, Gruescu C.	High Quality Document Digitization Equipment	Mechanisms, Mechanical Transmissions and Robotics, Applied Mechanics and Materials, vol. 162 (2012), p. 589-596, Trans Tech Publications, Switzerland, ISBN - 13: 978-3-0303785-395-5	2012	doi:10.4028/www.scientific.net/AMM.162.589
15	Gruescu C., Ionescu C., Nicoara I., Lovasz A.	Experimental Optimization of Process Parameters in Laser Cutting of Polycarbonate Gears	Mechanika Journal, vol. 2, p. 233-238, ISSN: 1392-1207 <a href="http://dx.doi.org/10.5755/j01.mech.18.2.1561">http://dx.doi.org/10.5755/j01.mech.18.2.1561</a>	2012	000303788600018
16	Popa M. Lupea A.X. Popa S. Gruescu C.	Colour of Bilberry (Vaccinium Myrtillus Fruits) Extracts	International Journal of Food Properties, vol. 13(4), p. 7771-777, doi: 10.1080/10942910902894898, ISSN 1094-2912	2010	000280635700011
17	Gruescu C., Dumache C., Nicoara I., Tonea E.	Experimental Study Aiming to Establish Specific Characteristics of Stationary Optical Processes	The 4th edition of the International Conference "Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies", 7697-48, 2008, Constanta, Romania Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies IV, Proc. of SPIE, Vol. 7297, 72971C © 2009 SPIE CCC code: 0277-786X/09 doi: 10.1117/12.823659	2009	000291642900048
18	Gruescu C., Nicoara I., Popov D., Bodea R., Hora H.	Optical Glass Compatibility For the Design of Apochromatic Systems	Science of Sintering, ISSN 0350-820X, vol. 40, p.131-140 doi: 10.2298/SOS0802131G UDK 666.3-128:621.315.612	2008	000259244100004

**Articole si publicatii stiintifice indexate SCOPUS**

Nr.crt	Autori	Titlu	An	Conferinta/volum	Volum/pag.	DOI
1	Vutan, A.-M., Gruescu, C.M., Ciupe, V., Margineanu, D., Lovasz, E.-C.	Effectiveness of physical exercises in the treatment of scoliosis - Mathematical approach	2019	SYROM 2018, Mechanisms and Machine Science	65, pp. 25-34	10.1007/978-3-030-00329-6_4
2	Lovasz, E.-C., Gruescu, C.M., Vutan, A.M., Margineanu, D.T.	Dynamic study of an adaptive intelligent cervical brace model under actuation	2019	Mechanisms and Machine Science	66, pp. 327-334.	0.1007/978-3-030-00365-4_39
3	Lovasz, E.-C., Ceccarelli, M., Gruescu, C.M., Carbone, G., Cărăbaș, I.	A comparative analysis of teaching MMS at Politehnica University of Timișoara and University of Cassino and South Latium	2019	Mechanisms and Machine Science	64, pp. 91-102	10.1007/978-3-030-00108-7_11
4	Margineanu, D., Lovasz, E.-C., Gruescu, C.M., Ciupe, V., Tatar, S.	5 DoF haptic exoskeleton for space telerobotics – Shoulder module	2018	MeTrApp 2017, Mechanisms and Machine Science	52, p. 111-120	10.1007/978-3-319-60702-3_12
5	Vutan A.M., Ciupe V., Gruescu C.M., Lovasz E.-C.	Experimental method for dynamic evaluation of spinal column deformation	2018	SYROM 2017, Mechanisms and Machine Science	57, p. 137-146	10.1007/978-3-319-79111-1_13
6	Ciupe, V., Lovasz, E.-C., Gruescu, C.-M., Margineanu, D., Maniu, I.	Testing the haptic exoskeleton actuators in a virtual environment	2015	2015 IFToMM World Congress Proceedings, IFToMM 2015	-	10.6567/IFToMM.14TH.WC.PS13.015
7	Mărgineanu, D.T., Gruescu, C., Lovasz, E.Ch., Modler, K.H., Ciupe, V.	Tetrahedral mechanism crawling on a slope	2015	2015 IFToMM World Congress Proceedings, IFToMM 2015	-	10.6567/IFToMM.14TH.WC.OS11.01
8	Lovasz, E.-C., Pop, C., Grigorescu, S.M., Gruescu, C.M., Dan Mărgineanu, T., Maniu, I.	Kinematics of the planar parallel manipulator using geared linkages with linear actuation as kinematic chains 3-R(RPRGR)RR	2015	2015 IFToMM World Congress Proceedings, IFToMM 2015	-	10.6567/IFToMM.14TH.WC.OS8.026
9	Lovasz E.-C., Mateas M., Gruescu C.-M., Margineanu E. Z., Carabas I., Stan S.-D.	Development of a Quality Indicator System for Haptic Exoskeleton Modules	2014	Applied Mechanics and Materials 648-653, ISSN: 1662-7482, doi:	p. 648-653	10.4028/www.scientific.net/AMM.648-653
10	Ciupe V., Lovasz E.C., Reessing M., Henkel V., Gruescu C.M., Zabava E.S.	Interactive animation production by means of advanced image processing	2014	2nd Conference on Mechanisms, Transmissions and Applications, MeTrApp 2013, Mechanisms and Machine Science	17, p. 329-337	10.1007/978-3-319-01845-4_33
11	Lovasz E.C., Perju D., Modler K.H., Modler N., Gruescu C.M., Maniu I., Comsa A.	On the structural analysis of the mechanisms with elastic connections	2014	2nd Conference on Mechanisms, Transmissions and Applications, MeTrApp 2013, Mechanisms and Machine Science	17, p. 59-67	10.1007/978-3-319-01845-4_6
12	Lovasz E.-C., Ciupe V., Modler K.-H., Gruescu C.M., Hanke U., Maniu I., Margineanu D.	Experimental design and control approach of an active knee prosthesis with geared linkage	2014	2nd Conference on Mechanisms, Transmissions and Applications, MeTrApp 2013, Mechanisms and Machine Science	17, p. 149-156	10.1007/978-94-007-7485-8_19
13	Lovasz E.C., Perju D., Modler K.H., Gruescu C.M., Maniu I., Zabava E.S.	Numerical iterative method for computing the base circle radius of cam mechanisms with translating flat-face follower	2013	4th European Conference on Mechanism Science, EUCOMES 2012, Mechanisms and Machine Science	7, p. 237-244	10.1007/978-94-007-4902-3_25
14	Gruescu C.M.	Motion laws of a varifocal objective working with a 1/2" CCD camera	2012	MeTrApp 2011, Mechanisms and Machine Science 3	p. 133-140	10.1007/978-94-007-2727-4_12

15	Gruescu C.M., Nicoara I., Busa E.	Loading devices for closed-loop gear test stands	2012	MeTrApp 2011, Mechanisms and Machine Science 3	p. 281-289	10.1007/978-94-007-2727-4_26
16	Lovasz, E.-C., Perju, D., Gruescu, C.M., Modler, K.-H., Cărăbaș, I., Zăbavă, E.S.	Numerical method for determination of base circle radius of cam mechanisms with oscillating flat-face follower	2012	TMM Liberec 2012, Mechanisms and Machine Science	8, pp. 143-149	10.1007/978-94-007-5125-5_19
17	Lovasz E.-C., Gruescu C.M., Ciupe V., Maniu I., Dehelean N.	Advanced digitization techniques in retrieval of mechanism and machine science resources	2012	TMM Liberec 2012, Mechanisms and Machine Science	8, p. 35-41	10.1007/978-94-007-5125-5_5
18	Lovasz E.-C., Perju D., Corves B., Gruescu C.M., Lovasz A., Ciupe V.	Multilingual illustrated micro-thesaurus in mechanisms science	2012	MeTrApp 2011, Mechanisms and Machine Science 3	p. 47-58	10.1007/978-94-007-2727-4_4
19	Mateas M., Moldovan C., Gruescu CM., Kis A., Lovasz E.-C.	Novel rehabilitation system for the lower limb	2018	ACME 2018, The 8th International Conference on Advanced Concepts in Mechanical Engineering, IOP Conference Series: Materials Science and Engineering	444(5), art. 052021	10.1088/1757-899X/444/5/052021
20	Vutan AM., Gruescu CM., Lovasz E.-C., Ciupe V.	Discussion on Cobb Angle variation during progressive lateral flexion of the trunk	2018	ACME 2018, The 8th International Conference on Advanced Concepts in Mechanical Engineering, IOP Conference Series: Materials Science and Engineering	444(5), art. 052020	10.1088/1757-899X/444/5/052020

#### Alte articole si publicatii stiintifice

Nr.crt.	Autor(i)	Titlul lucrării	An	Revista/Conferința	Obs.
1.	Rădulescu C., Lovasz E.-C., Gruescu CM.	25 Years since the First Issue of the Journal „Robotica & Management”	2015	Robotica & Management, 20(1),p. 2-5	B+
2.	Gruescu CM., Bodea R.	Correlation Between the Characteristic Parameters of an Imaging Application	2015	Scientific Bulletin of the Politehnica University Timișoara, Transactions on Mechanics, 58 (72), Issue 2, p.33-36	
3.	Lovasz AE., Lovasz EC., Gruescu CM.	Digital Library of Mechanisms	2014	Procedia - Social and Behavioral Sciences, 163, p.85-91	ISI
4.	Garaiman A., Gruescu CM., Lovasz EC., Amarandei M., Patrascu J., Bogdan CA.	Discussions on the Procedure and Results of an Evaluation health program regarding spinal deformity in school-aged children	2013	E-Health and Bioengineering Conference (EHB), 1-4, doi: 10.1109/EHB.2013.6707306	IEEE
5.	Gruescu C., Bodea R.	Rotation Correction in Interference Fits Calculus	2012	Annals of the Oradea University, Fascicle of Management and Technological Engineering, XI (XXI), Nr. 1, p.2.62-2.67	B+
6.	Bodea R., Gruescu C.	Motion Laws of Dispersive Prisms	2012	Annals of the Oradea University, Fascicle of Management and Technological Engineering, XI (XXI), Nr. 1, p.2.1-2.6	B+
7.	Gruescu C., Bodea R., Amarandei M., Garaiman A.	Solution for the Design of Thermal IR Objectives	2010	Annals of the Oradea University, Fascicle of Management and Technological Engineering, IX (XIX), Nr. 3, p.2.38-2. 43	B+
8.	Gruescu C., Nicoară I., Gillich R., Cărăbaș I.	Comment on Specific Features of Optomechanical Fits	2010	Proceedings of the 5th IASME / WSEAS International Conference on CONTINUUM MECHANICS (CM '10), WSEAS Mechanical Engineering Series, 54-59	ISI
9.	C. Gruescu,	Modelling and Optimization of Multiple Closed Loop Stands	2009	Analele Universității	Index

	I. Nicoara, C. Mesteroiu, N. Gillich	for Testing Gearboxes		"Eftimie Murgu" Reșița Anul XVI, Nr. 1, 2009, ISSN 1453 – 7394	Copernicus
10.	R. BODEA, V. HULE, H. HORA, C. GRUESCU	Study Regarding the Prescription of Clearance for Optomechanical Fits	2009	Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol.VIII(XVIII),2009, p. 853-862, ISSN 1583-0691	B+
11.	Gruescu C. Bodea R. Lovasz E.	Relative Rotation Angle Between Spinal Vertebrae Using Complex Shape Markers	2008	Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol.VII(XVII),2008, p. 847-852, ISSN 1583-0691	B+
12.	Gruescu C. Bodea R. Costache M.	Study On Efficiency Of An Parabolic Reflective Solar Concentrator	2008	Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol.VII(XVII),2008, p. 853-862, ISSN 1583-0691	B+
13.	Gruescu C. Bodea R. Nicoară I.	Improvement on f/# of Optical Entities by Means of Polynomial Aspheric Surfaces	2008	Analele Universității "Eftimie Murgu" Reșița Anul XV, Nr. 1, 2008, ISSN 1453 – 7394	B+
14.	Carabas I. Gruescu C. Nicoara I.	Aptness for Competition Sports Practice of Disabled Persons Wearing Artificial Knee	2008	Buletinul Științific al UPT, Transactions on Mechanics, 2008 ISSN 1224 – 6077	
15.	Dumache C. Gruescu C. Nicoara I.	Polar Characteristic of Energetic Intensity Emitted by an Anisotropic Thermal Source Irregularly Shaped	2008	Annals of the Academy of Romanian Scientists, Series on Science and Technology of Information, Ed. Printech, București, 2008, ISBN (13) 978-606-521-022-6, p. 43-50	
16.	Gruescu C. Hora H. Nicoara I. Lovasz E.	Influence of Mechanically Induced Birefringence	2008	Proceedings of the 6th International Conference of DAAAM Baltic, Industrial Engineering, Tallinn, 2008, ISBN 978-9985-59-783-5, p.239-244	ISI
17.	Gruescu C. Ionescu C. Nicoara I. Breaban F.	Increase of Precision and Efficiency of Laser Cutting by Means of Optical System Optimization	2008	Proceedings of the 6th International Conference of DAAAM Baltic, Industrial Engineering, Tallinn, 2008, ISBN 978-9985-59-783-5, p.245-250	ISI
18.	Costache M. Gruescu C.	A Critical View Concerning Image Erectors	2007	Buletinul Științific al UPT, Transactions on Mathematics & Physics, Tom 52(66), Fascicola 1, 2007, ISSN 1224-6069, p.97-105	
19.	Gruescu C. Dumache C. Nicoară I. Ionescu C. Gugoasă A.	Quality Level Preservation For Optical Apparatuses Manufactured In Small Series	2007	Scientific Bulletin of the Politehnica University of Timisoara, Transactions on Management, Engineering Economy. Transportation Engineering, vol.52(66), no.2/2007, ISSN 1224-6050, p.69-74	
20.	Bodea R. Ionescu C. Gruescu C.	Design of a CO2 Laser (10.6μm) Optical System	2007	Annals of the Oradea University, Fascicle of Management and Technological Engineering, vol.VI(XVI),2007, p. 2657-2666, ISSN 1583-0691	
21.	Gruescu C., Nicoară I., Eftimie M.	Optimization Of Closed-Loop Transmission Test Stands	2006	2 <sup>nd</sup> International Conference "Power Transmissions '06", Novi Sad, Serbia&Montenegro, 2006, ISBN 0025-445, L 127, p. 309-316	
22.	Gruescu C. Costache M	Zoom Erectors in Measuring Apparatuses Schemes	2006	Buletinul Științific al UPT, Transactions on Mathematics & Physics, Tom 51(65), Fascicola 2, 2006, ISSN 1224-6069, p.133-142	
23.	Gruescu C, Costache M, Nicoară I.	Study concerning the modulation transfer function of complex optical systems	2006	COMEFIM8, The 8 <sup>th</sup> International Conference on Mechatronics and Precision Engineering, Cluj-Napoca, 2006, Acta Technica Napocensis, Series: Applied Mathematics and Mechanics 49, Vol.IV, p.901-908	
24.	Gruescu C., Hora H., Costache M.	Analysis of the composition law for the fourier parameters of a complex optical system – numerical modeling and simulation	2006	COMEFIM8, The 8 <sup>th</sup> International Conference on Mechatronics and Precision Engineering, Cluj-Napoca, 2006, Acta Technica Napocensis, Series: Applied Mathematics and Mechanics 49, Vol.IV, p.909-916	
25.	Gruescu C., Costache M.	Design of a Kepler Telescope Providing an Erected Image	2005	Buletinul Științific al UPT, Transactions on Mathematics & Physics, Tom 50(64), Fascicola 2, 2005, ISSN 1224-6069, p.76-82	
26.	Eftimie, M. Gruescu, C., Nicoară, I.	Algorithm for the Optimization of Closed-Loop Mechanical Circuit and Automated Calculus Using Original Software	2005	Buletinul Științific al UPT, Transactions on Mechanics, tom 50(64), Fascicola 2, 2005, ISSN 1224-6077, p.7-12	
27.	Gruescu, C.,	Comparative Study of Closed-Loop Test Circuits Regarding	2005	Buletinul Științific al UPT, Transactions on Mechanics, tom 50(64),	

	Eftimie, M. Nicoară, I	the Transmission Pairs Number		Fascicola 2, 2005, ISSN 1224-6077, p.13-18	
28.	Gruescu C., Nicoară I., Pugna A.	Cumulated Effect Of Manufacturing And Mounting Errors On Image Quality Of Diffraction Limited Optical Systems	2005	2 <sup>nd</sup> International Conference, Virtual Design and Automation Centre, VIDA 2005, 28-29.nov, Poznan, p. 288-284	
29.	Gruescu C., Nicoară I., Hora H.	Study Regarding The Influence Of Mounting Clearance On Image Quality Of Optomechanical Systems	2005	2 <sup>nd</sup> International Conference, Virtual Design and Automation Centre, VIDA 2005, 28-29.nov, Poznan, p. 285-291	
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