

# LISTĂ DE LUCRĂRI PUBLICATE (2006-2025)

## Cărți, monografii, capitole ca autor - naționale

Nr.	Autori	Titlu capitol / carte, ISBN	Editura
1	L. Festila, M. Gordan, M Cirlugea, G. Oltean, S. Hintea, G. Csipkes, C. Rus, R. Groza, L. Szolga	"Circuite Analogice pentru Clasificatoare Masini cu Vectori Suport", 2007, ISBN 978-973-133-107-2	Casa Cartii de Stiinta Cluj-Napoca
2	L. Szolga, A. Strugaru	"Emergency Siren Detection System for Hearing Impaired People", 2021, ISBN 978-606-062-305-2	Napoca Star
3	L. Szolga, C. Chirila	"Development of a Thermal Imaging Camera Using an Infrared Thermopile Array Sensor", 2021, ISBN 978-606-062-381-6	Napoca Star
4	L. Szolga	"Optoelectronics: basic optics, devices, and circuits", 2022, ISBN 978-606-062-462-2	Napoca Star

## Material didactic/lucrări didactice

Nr.	Autori	Titlu capitol / carte, ISBN	Editura
1	L. Szolga, R. Gălătuș, E. Voiculescu	"Optoelectronică - Îndrumător de laborator", 2013, ISBN 978-973-662-858-0	U.T.Press Cluj-Napoca
2	L. Szolga, R. Gălătuș, E. Voiculescu	"Optoelectronics - Laboratory Guide", 2013, ISBN 978-973-662-859-7	U.T.Press Cluj-Napoca

## Articole in reviste cotate Q1 sau Q2

Nr	Articol	Indexare
1	Szolga, LA*; Bozga, DA; Florea, C, "End-User Skin Analysis (Moles) through Image Acquisition and Processing System", Sensors, 2022, Vol.22(3), AN 1123 DOI: 10.3390/S22031123, eISSN: 1424-8220 WOS: 000758936300001	IF 3.9   Q2 (la data publicarii articolului in 2022)
2	R. Kovacs, J. Kovacs, L. Szolga*, "Device for Identifying the UV Emission Spectrum" Sensors, Vol.22(13), 2022, AN 4852 DOI: 10.3390/s22134852 eISSN: 1424-8220 WOS: 000824560800001	IF 3.9   Q2 (la data publicarii articolului in 2022)
3	Potarniche, IA; Sarosi, C; Terebes, RM; Szolga, L; Galatus, R "Classification of Food Additives Using UV Spectroscopy and One-Dimensional Convolutional Neural Network" Sensors, 2023, Vol.23(17), AN 7517 DOI: 10.3390/s23177517 eISSN: 1424-8220 WOS: 001060622600001	IF 3.5   Q2 (la data depunerii dosarului)
4	Covaci, MA; Galatus, RV; Petreus, DM; Szolga, LA*, "Renewability and Robustness Analysis and Review for Sustainable-Technology Propulsion Systems in Modern Transportation Infrastructure Administration" Appl. Sci., 2023, 13(24), AN 13026 DOI: 10.3390/app132413026 eISSN: 2076-3417 WOS: 001130929000001	IF 2.5   Q1 (la data publicarii articolului in 2023)
5	Covaci, MA; Galatus, RV; Szolga, LA*, "Stability improvement of high-power semiconductor laser diode regulators used in infrared solid-state laser applications" Optical and Quantum Electronics, Springer, 2024, Vol.56(5), AN 776 DOI: 10.1007/s11082-024-06457-w ISSN: 0306-8919 WOS: 001191082600012	IF 4   Q1 (la data publicarii articolului in 2024)
6	Giurgi, GI; Szolga, LA*; Giurgi, DV, "Benefits of Fuzzy Logic on MPPT and PI Controllers in the Chain of Photovoltaic Control Systems", Appl. Sci., 2022, Vol.12(5), AN 2318, DOI: 10.3390/app12052318, eISSN: 2076-3417 WOS: 000768861200001	IF 2.7   Q2 (la data publicarii articolului in 2022)
7	Covaci, MA; Szolga, LA*, "Low-Voltage Plasma Generator Based on Standing Wave Voltage Magnification", Sustainability, 2022, Vol.14(5), AN 2890, DOI: 10.3390/SU14052890 eISSN: 2071-1050 WOS: 000767839700001	IF 3.9   Q2 (la data publicarii articolului in 2022)

8	Covaci, MA; <b>Szolga, LA*</b> , <i>"Black-Box Mathematical Modeling and Heuristic Optimizing of Hampson-Linde Cycle Based on Joule-Thomson Effect and Ohm's Law for Thermal Circuits"</i> Appl. Sci., 2022, Vol.12(12), AN 6047 DOI: 10.3390/app12126047 eISSN: 2076-3417 WOS: 000818318900001	<b>IF 2.7   Q2</b> (la data publicarii articolului in 2022)
9	Terenti, N; Giurgi, GI; Crisan, AP; Anghel, C; Bogdan, A; Pop, A; Stroia, I; Terec, A; <b>Szolga, L*</b> ; Grosu, I; Roncali, J <i>"Structure-properties of small donor-acceptor molecules for homojunction single-material organic solar cells"</i> , Journal of Materials Chemistry C, 2022, Vol.10(14), pp. 5716-5726, DOI: 10.1039/d2tc00430e ISSN: 2050-7526 WOS: 000770083300001	<b>IF 6.4   Q1</b> (la data publicarii articolului in 2022)
10	Diac, AP; <b>Szolga, L</b> ; Cabanetos, C; Bogdan, A; Terec, A; Grosu, I; Roncali, J, <i>"C-60-small arylamine push-pull dyads for single-material organic solar cells"</i> , Dyes and Pigments, 2019, Vol.171, AN 107748, DOI: 10.1016/j.dyepig.2019.107748, ISSN: 0143-7208 WOS: 000484870700074	<b>IF 4.613   Q1</b> (la data publicarii articolului in 2019)
11	Nan, M.I., Lakatos, E., Giurgi, G.-I., <b>Szolga, L.</b> , Po, R., Terec, A., Jungstittiwong, S., Grosu, I., Roncali, J <i>"Mono- and di-substituted pyrene-based donor-pi-acceptor systems with phenyl and thienyl pi-conjugating bridges"</i> , Dyes and Pigments, 2020, Vol.181, AN 108527 DOI: 10.1016/j.dyepig.2020.108527, ISSN: 0143-7208 WOS: 000549169800061	<b>IF 4.889   Q1</b> (la data publicarii articolului in 2020)
12	Bogdan, A; <b>Szolga, L</b> ; Giurgi, GI; Crisan, AP; Bogdan, D; Hadsadee, S; Jungstittiwong, S; Po, R; Grosu, I; Roncali, J <i>"Structure-properties relationships in triarylamine-based push-pull systems-C60 dyads as active material for single-material organic solar cells"</i> , Dyes and Pigments, 2021, Vol.184, AN 108845, DOI: 10.1016/j.dyepig.2020.108845, ISSN: 0143-7208 WOS: 000580897700089	<b>IF 5.122   Q1</b> (la data publicarii articolului in 2021)
13	Terenti, N; Giurgi, GI; <b>Szolga, L</b> ; Stroia, I; Terec, A; Grosu, I; Crisan, AP, <i>"Effect of the Terminal Acceptor Unit on the Performance of Non-Fullerene Indacenodithiophene Acceptors in Organic Solar Cells"</i> , Molecules, 2022, Vol.27(4), AN 1229 DOI: 10.3390/MOLECULES27041229, eISSN: 1420-3049 WOS: 000762478700001	<b>IF 4.6   Q2</b> (la data publicarii articolului in 2022)
14	Pausescu, I; Todea, A; Dreava, DM; Boboescu, T; Patcan, B; Patcan, L; Albuiescu, D; Badea, V; Peter, F; Totos, R; Ursu, D; <b>Szolga, L*</b> ; Medeleanu, M <i>"Experimental and Computational Studies on Bio-Inspired Flavylum Salts as Sensitizers for Dye-Sensitized Solar Cells"</i> Materials, 2022, Vol.15(19), AN 6985 DOI: 10.3390/ma15196985	<b>IF 3.4   Q2</b> (la data publicarii articolului in 2022)

	eISSN: 1996-1944 WOS: 000867003800001	
15	Báti, G; Csókás, D; Giurgi, GI; Zhou, JS; <b>Szolga, LA</b> ; Webster, RD; Stuparu, MC, <i>"Non-Fullerene Electron Acceptors Based on Hybridisation of Corannulene and Thiophene-S,S-Dioxide Motifs"</i> , Chemistry A-European Journal, 2023, Vol.29(18) DOI: 10.1002/chem.202203856 ISSN: 0947-6539 WOS: 000937897200001	<b>IF 3.9   Q2</b> (la data publicarii articolului in 2023)
16	T. Iliev, L. A. Szolga, G. Sergazin Editorial for the Special Issue on "Application of Artificial Intelligence in the New Era of Communication Networks" Electronics, Vol.14(7), AN 1315, 2025 IF 2.6   Q2 (la momentul publicarii articolului in Mar. 2025) DOI: 10.3390/electronics14071315 ISSN: 2079-9292 WOS: 001467896100001	<b>IF 2.6   Q2</b> (la data publicarii articolului in 2025)

## Articole in reviste cotate ISI si la manifestări indexate ISI

Nr.	Autori	Titlu lucrare / revista (conferinta)
1	Feștilă L., Szolga L.A., Cîrlugea M., Fazakas A.	"An analog circuit for computing radial basis kernels", International Conference on Automation, Quality and Testing, Robotics (AQTR 2006), IEEE, 2006, Vol.1, pp. 275-279, DOI: 10.1109/AQTR.2006.254541 ISBN: 1-4244-0360-X WOS: 000241459500050
2	Cîrlugea M., Szolga L., Feștilă L.	"ABM blocks for precise measurements in DC-DC converters", International Conference on Automation, Quality and Testing, Robotics (AQTR 2008), IEEE, 2008, Vol.1, pp. 137-141, DOI: 10.1109/AQTR.2008.4588722 ISBN: 978-1-4244-2576-1 WOS: 000259079700020
3	Feștilă L., Szolga L.A., Cîrlugea M., Groza R.	"Analog multiplying/weighting VLSI cells for SVM classifiers", 12th International Conference on Knowledge-Based Intelligent Information and Engineering Systems (KES 2008), Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Vol. 5179, 2008, pp. 360-367, <b>IF 0.302   Q4 (ultima indexare din 2005)</b> DOI: 10.1007/978-3-540-85567-5_45 ISBN: 978-3-540-85566-8 WOS: 000259398600045
4	Feștilă L., Cîrlugea M., Szolga L., Groza R.	"Current-mode multiplier models based on FF-1 functions", 15th International Conference on Mixed Design of Integrated Circuits and Systems (MIXDES 2008), IEEE, 2008, pp. 401-406, ISBN: 978-83-922632-7-2 WOS: 000259117200069
5	L. Feștilă, L. Szolga, S. Hîntea, M. Cîrlugea	"A Unitary View Toward Analog Weighting/Amplifying F-F-1 Cells", Elektronika ir Elektrotehnika, 2010, Issue 10, pp. 21-26, <b>IF 1.3   Q4 (anul depunerii dosarului)</b> ISSN: 1392-1215 WOS: 000285905600005
6	Feștilă L., Szolga L.A., Cîrlugea M., Hîntea S.	"A Reconfigurable Voltage Reference without Resistors", Knowledge-Based and Intelligent Information and Engineering Systems, Springer, PT IV, Vol. 6279, 2010, pp. 613-622, <b>IF 0.302   Q4 (ultima indexare din 2005)</b> DOI: 10.1007/978-3-642-15384-6_65 ISBN: 978-3-642-15383-9 WOS: 000289445700065
7	Szolga L.A., Galatus R., Oltean G., Ivanciu L.	"Intrusion Detection System Based on Plastic Optical Fiber", 23rd International Symposium for Design and Technology in Electronic Packaging (SIITME 2017), IEEE, 2017, pp.403-408, DOI: 10.1109/SIITME.2017.8259935 ISBN: 978-1-5386-1626-0 WOS: 000428032300086

8	<b>Szolga, L.</b> , Galatus R., Oltean G.	<i>"Fluorescent optical fiber sensor for arcing and flame monitoring in electrical distribution boards"</i> International Instrumentation and Measurement Technology Conference: Discovering New Horizons in Instrumentation and Measurement (I2MTC 2018), IEEE, 2018, pp. 794-798, DOI: 10.1109/I2MTC.2018.8409836 ISBN: 978-1-5386-2222-3 WOS: 000876374900134
9	<b>Szolga, LA</b> ; Sofian, R	<i>"Humidity Sensing System Using Plastic Optical Fiber"</i> , 25th International Symposium for Design and Technology in Electronic Packaging (SIITME 2019), IEEE, 2019, pp. 172-182, DOI: 10.1109/SIITME47687.2019.8990859 ISBN: 978-1-7281-3330-0 WOS: 000564733700036
10	Chirila, C; <b>Szolga, LA</b>	<i>"Development of a Thermal Camera Using a Low Noise High Speed Far Infrared Camera"</i> , 25th International Symposium for Design and Technology in Electronic Packaging (SIITME 2019), IEEE, 2019, pp. 183-193, DOI: 10.1109/SIITME47687.2019.8990841 ISBN: 978-1-7281-3330-0 WOS: 000564733700037
11	<b>Szolga, L.A.</b> , Bondric, A.	<i>"Smart System for Incubating Eggs"</i> , 26th International Symposium for Design and Technology in Electronic Packaging (SIITME 2020), IEEE, 2020, pp. 260-264, DOI: 10.1109/SIITME50350.2020.9292305, ISBN: 978-1-7281-7506-5 WOS: 000651085100053
12	<b>Szolga, L.A.</b> , Groza, R.G.	<i>"Phosphor Based White LED Driver by Taking Advantage on the Remanence Effect"</i> , 26th International Symposium for Design and Technology in Electronic Packaging (SIITME 2020), IEEE, 2020, pp. 265-269, DOI: 10.1109/SIITME50350.2020.9292284, ISBN: 978-1-7281-7506-5 WOS: 000651085100054
13	<b>Szolga, L.A.</b> , Cilean, T.R.	<i>"Nitrates and nitrites detection system in the drinking water using UV absorption"</i> , 8th E-Health and Bioengineering Conference (EHB 2020), IEEE, 2020, DOI: 10.1109/EHB50910.2020.09280233 ISBN: 978-1-7281-8803-4 WOS: 000646194100105
14	<b>Szolga, L.A.</b> , Mudure, F.	<i>"Blood (rBC/HGB) analysis using colorimetry"</i> , 8th E-Health and Bioengineering Conference (EHB 2020), IEEE, 2020, DOI: 10.1109/EHB50910.2020.9280195 ISBN: 978-1-7281-8803-4 WOS: 000646194100069
15	<b>Szolga, L.A.</b> , Pavelea, I.	<i>"Security System with High Autonomy of Operation"</i> , International Symposium on Electronics and Telecommunications (ISETC 2020), IEEE, 2020, pp. 95-98, DOI: 10.1109/ISETC50328.2020.9301044 ISBN: 978-1-7281-8921-5 WOS: 000612681000025

- 16 **Szolga, L.A.**, Boca, M. *"Smart Illumination for Large Area Buildings Using RF Communication"*, International Symposium on Electronics and Telecommunications (ISETC 2020), IEEE, 2020, pp. 395-398, DOI: 10.1109/ISETC50328.2020.9301143 ISBN: 978-1-7281-8921-5 WOS: 000612681000095
- 17 Giurgi, G.-I., **Szolga, L.**, Kovacs, I., Bogdan, E., Hădade, N.D., Terec, A., Grosu, I., Roncali, J. *"Inverted versus direct structure bulk heterojunction organic solar cells involving a triphenylamine-based small molecular donor"*, Studia Universitatis Babes-Bolyai Chemia, 2020, Vol.66(2), pp. 95-106, **IF 0.494 | Q4 (la momentul publicarii articolului in 2020)** DOI: 10.24193/subbchem.2020.2.08 ISSN: 1224-7154 WOS: 000560027700008
- 18 Covaciu, AG; Florea, C; **Szolga, LA** *"Microscopic Images Analysis for Saliva Ferning Prediction"*, International Symposium on Fundamentals of Electrical Engineering (ISFEE), IEEE, 2020 DOI: 10.1109/ISFEE51261.2020.9756142 ISBN: 978-1-7281-9038-9 WOS: 000812321500012
- 19 **Szolga, LA**; Strugaru, AN *"Emergency Siren Detection System for Deaf People"*, 9th E-Health and Bioengineering Conference (EHB 2021), IEEE, 2021 DOI: 10.1109/EHB52898.2021.9657612 ISBN: 978-1-6654-4000-4 WOS: 000802227900073
- 20 **Szolga, LA**; Deak, ER *"Home Healthcare Device"*, 9th E-Health and Bioengineering Conference (EHB 2021), IEEE, 2021 DOI: 10.1109/EHB52898.2021.9657554 ISBN: 978-1-6654-4000-4 WOS: 000802227900019
- 21 **Szolga, LA**; Opra, RT *"Robotic Arm for Biological Probe Tubes Handling"*, 27th International Symposium for Design and Technology in Electronic Packaging (SIITME 2021), IEEE, 2021, pp. 317-321, DOI: 10.1109/SIITME53254.2021.9663712 ISBN: 978-1-6654-2110-2 WOS: 000786441900075
- 22 **Szolga, LA**; Heredea, PC; Potarniche, IA *"Low-Cost Peristaltic Pump for Laboratory Applications"*, 27th International Symposium for Design and Technology in Electronic Packaging (SIITME 2021), IEEE, 2021, pp. 322-325, DOI: 10.1109/SIITME53254.2021.9663609 ISBN: 978-1-6654-2110-2 WOS: 000786441900076
- 23 **Szolga, LA** *"On Flight Real Time Image Processing by Drone Equipped with Raspberry Pi4"*, 27th International Symposium for Design and Technology in Electronic Packaging (SIITME 2021), IEEE, 2021, pp. 3334-337, DOI: 10.1109/SIITME53254.2021.9663650 ISBN: 978-1-6654-2110-2 WOS: 000786441900079

24	Szolga, LA; Cilean, TR	"Water Sterilization Using Power UV LEDs", International Conference on Electrical and Electronics Engineering (ICEEE), IEEE, 2021, pp. 49-53, DOI: 10.1109/ICEEE52452.2021.9415965 ISBN: 978-1-6654-4071-4 WOS: 000719372400011
25	Giurgi, GI; Szolga, L; Crisan, A; Grosu, I; Roncali, J	"Photovoltaic performances of two triarylamine-based donors in various inverted cell configurations" Studia Universitatis Babes-Bolyai Chemia, Vol.6, No.3, 2021, pp. 97-105, <b>IF 0.447   Q4 (la momentul publicarii articolului in 2021)</b> DOI: 10.24193/SUBBCHEM.2021.3.05 ISSN: 1224-7154 WOS: 000705616200011
26	Szolga, LA	"Detection of Mineral (Ca/Fe) Concentration in Blood Using the Complex Bioimpedance", 14th Biomedical Engineering International Conference (BMEiCON 2022), IEEE, 2022 DOI: 10.1109/BMEiCON56653.2022.10012090 ISBN: 978-1-6654-8903-4 WOS: 000932873200031
27	Szolga, LA	"Ultrasonic Scanning System for Cartography Applications", 9th International Conference on Electrical and Electronics Engineering (ICEEE), IEEE, 2022, pp. 417-422 DOI: 10.1109/ICEEE55327.2022.9772534 ISBN: 978-1-6654-6754-4 WOS: 000852441800081
28	Ibrahim, EY; Szolga, LA	"Vehicle Monitoring System using SIM7600CE-T controlled over Arduino platform", Long Island Systems, Applications and Technology Conference (LISAT 2023), IEEE, 2023, DOI: 10.1109/LISAT58403.2023.10179505 ISBN: 979-8-3503-1116-7 WOS: 001042445800002
29	Gabrian, L; Giurgi, GI; Szolga, L; Crisan, AP; Bogdan, E; Galatus, R; Terec, A; Grosu, I	"Bulk and Bilayer Inverted Organic Solar Cells (OSCs) Exhibiting D-A and A-D-A Donors with 2,2'-bi[3,2-b]Thienothiophene Units and PC61BM or C70 Acceptors", Studia Universitatis Babes-Bolyai Chemia, 2023, Vol.68(1), pp. 275-283 <b>IF 0.3   Q4 (la momentul publicarii articolului in 2023)</b> DOI: 10.24193/subbchem.2023.1.20 ISSN: 1224-7154 WOS: 000973917200018

## Articole in reviste si volumele unor manifestări științifice indexate in alte baze de date internaționale (BDI)

Nr.	Autori	Titlu lucrare / revista (conferinta)
1	Szolga L.A.; Farnas Z.	<p><i>"Solar Panel Tracking System Using Optical Fiber"</i>, 3rd International Conference on Renewable Energy and Environment Engineering (REEE 2020), E3S Web of Conferences, 2020, Vol.191, AN 01003, DOI: 10.1051/e3sconf/202019101003 ISSN: 25550403 EID: 2-s2.0-85094860535</p>
2	Covaci M.-A.; Szolga L.A.	<p><i>"High Power Laser Tracking and Targeting System"</i>, 3rd International Conference and Workshop in Obuda on Electrical and Power Engineering (CANDO-EPE 2020), IEEE, 2020, AN 9337755, pp. 197-202. DOI: 10.1109/CANDO-EPE51100.2020.9337755 ISBN 978-172818490-6 EID: 2-s2.0-85101164073</p>
3	Covaci M.-A.; Szolga L.A.	<p><i>"Implementation of Parallel PSO for Synchronous Constant Current Converter"</i>, 3rd International Conference and Workshop in Obuda on Electrical and Power Engineering (CANDO-EPE 2020), IEEE, 2020, AN 9337755, pp. 203-208. DOI: 10.1109/CANDO-EPE51100.2020.9337798 ISBN 978-172818490-6 EID: 2-s2.0-85101076542</p>
4	Szolga L.A.; Stan C.A.	<p><i>"Plexiglass glove box for organic solar cells"</i>, International Scientific Conference of Communications, Information, Electronic and Energy Systems (CIEES 2020), IOP Conference Series: Materials Science and Engineering, 2021, Vol. 1032(1), AN 012048. DOI: 10.1088/1757-899X/1032/1/012048 ISSN: 17578981 EID: 2-s2.0-85101632956</p>
5	Szolga L.A.; Flueraș G.	<p><i>"Robotic arm controlled by Android app through Bluetooth connection for organic solar cell manipulation"</i>, International Scientific Conference of Communications, Information, Electronic and Energy Systems (CIEES 2020), IOP Conference Series: Materials Science and Engineering, 2021, Vol.1032(1), AN 012049, DOI: 10.1088/1757-899X/1032/1/012049 ISSN: 17578981 EID: 2-s2.0-85101616454</p>
6	Szolga L.A.; Boca M.	<p><i>"LED Display for Timetables Controlled by IoT"</i>, International Conference on Electrical, Communication, and Computer Engineering (ICECCE 2021), IEEE, 2021 DOI: 10.1109/ICECCE52056.2021.9514219 ISBN: 978-166543897-1 EID: 2-s2.0-85115056668</p>

7	Szolga L.A.	<p><i>"Humidity and Isopropyl Alcohol Detection Sensor Based on Plastic Optical Fiber"</i>,  25th International Conference Electronics, ELECTRONICS 2021, IEEE, AN 9467472  DOI: 10.1109/IEEECONF52705.2021.9467472  ISBN: 978-166544387-6  EID: 2-s2.0-85114271032</p>
8	Szolga L.A.; Mudure F.	<p><i>"Temperature Sensor Using a Hybrid Structure with Plastic Optical Fiber and Bimetal Element"</i>,  13th International Conference on Electronics, Computers and Artificial Intelligence (ECAI 2021), IEEE, 2021  DOI: 10.1109/ECAI52376.2021.9515030  ISBN: 978-166542534-6  EID: 2-s2.0-85115086625</p>
9	Covaci M.-A.; Szolga L.A.	<p><i>"Hampson-Linde Cryogenic Cooler Modeling and Optimization in Matlab/Simulink"</i>,  6st International Conference on Smart and Sustainable Technologies (SpliTech 2021), IEEE, 2021,  DOI: 10.23919/SPLITECH52315.2021.9566388  ISBN: 978-953290112-2  EID: 2-s2.0-85118447748</p>
10	Szolga L.A.; Girbovan T.M.	<p><i>"Photovoltaic Charged Supercapacitor Power Supply for On-Body Sensors"</i>,  8th International Conference on Electronics Engineering and Technology (ICEET 2021), Journal of Physics: Conference Series, 2021, Vol.2016(1), AN 012004,  DOI: 10.1088/1742-6596/2016/1/012004  ISSN: 17426588  EID: 2-s2.0-85119286205</p>
11	Giurgi G.I.; Petreus D.; Giurgi D.V.; Szolga L.	<p><i>"Power Conversion Performance of a Single-Phase PV Inverter with Fuzzy Logic Algorithm"</i>,  4th International Conference on Renewable Energy and Environment Engineering (REEE 2021), IOP Conference Series: Earth and Environmental Science, 2021, Vol.897(1), AN 012018  DOI: 10.1088/1755-1315/897/1/012018  ISSN: 17551307  EID: 2-s2.0-85121552755</p>
12	Szolga L.A.; Tat I.; Rujan F.; Sturz M.	<p><i>"Weight Measurement System Using Plastic Optical Fiber"</i>,  2nd International Symposium on Electrical, Electronics and Information Engineering (ISEEIE 2022), IEEE, 2022, pp. 247-250  DOI: 10.1109/ISEEIE55684.2022.00050  ISBN: 978-166546874-9  EID: 2-s2.0-85138125067</p>
13	Szolga L.A.; Szocs J.	<p><i>"RFID tracking system for the basketball game"</i>,  International Scientific Conference on Communications, Information, Electronic and Energy Systems (CIEES 2021),  AIP Conference Proceedings, 2022, Vol.2570, AN 030007  DOI: 10.1063/5.0099641  ISBN: 978-073544375-4  EID: 2-s2.0-85137528410</p>

14	<b>Szolga L.A.</b> ; Laza S.	"Smart car parking system developed on IoT", - International Scientific Conference on Communications, Information, Electronic and Energy Systems (CIEES 2021), AIP Conference Proceedings, 2022, Vol.2570, AN 0030008 DOI: 10.1063/5.0099639 ISBN: 978-073544375-4 EID: 2-s2.0-85137434636
15	<b>Szolga L.A.</b> ; Sascau C.S.	"VIS Spectrometer Based on the Diffraction Grating and Raspberry Pi Camera", 27th International Computer Science and Engineering Conference (ICSEC), IEEE, 2023, pp. 392-397 DOI: 10.1109/ICSEC59635.2023.10329644 ISBN: 979-835034210-9 EID: 2-s2.0-85180153713
16	Sacara R.R.; <b>Szolga L.A.</b>	"Police Car Emergency Signaling System", 10th International Conference on Electrical and Electronics Engineering (ICEEE), IEEE, 2023, pp. 111-115 DOI: 10.1109/ICEEE59925.2023.00028 ISBN: 979-835030429-9 EID: 2-s2.0-85178994991
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