

Fișa de verificare

Numele și prenumele candidatului: **Lavric Alexandru**

Denumirea postului didactic: conferențiar universitar

Poziția din statul de funcții nr. 14

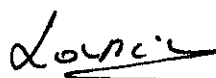
Standarde minimale pentru promovarea pe post:

Nr. crt.	Denumire standard	Documentele care dovedesc îndeplinirea standardelor	
1.	Doctor	Diploma doctor nr.0007233 din data de 07.04.2014	
2.	Media de finalizare a studiilor	8,25	Media examenului de finalizare a studiilor de licență seria B, nr. 0087774
		9,75	Media examenului de finalizare a studiilor de masterat conform diplomei de master seria A, nr. 0198585
		9	(Media examenului de finalizare a studiilor de licență + Media examenului de finalizare a studiilor de masterat)/2

Punctaj pentru performanțe didactice și de cercetare științifică - conferențiar universitar

Nr. crt.	Denumire standard conform OMEN nr. 6129/2016	Documentele care dovedesc îndeplinirea standardelor	Punctaj
1.	Activitatea didactică și profesională (A1) <i>Minim 50 puncte</i>	Documentele doveditoare sunt prezentate în secțiunea A1 a fisei anexate, conform Anexei nr. 11 Ordinului MEN nr. 6129/2016 (dovezi fișier electronic A1_Lavric_Alexandru_Fisa_standarde)	83.33
2.	Activitatea de cercetare (A2) <i>Minim 300 puncte</i>	Documentele doveditoare sunt prezentate în secțiunea A2 a fisei anexate, conform Anexei nr. 11 Ordinului MEN nr. 6129/2016 (dovezi fișier electronic A2_Lavric_Alexandru_Fisa_standarde)	1520.19
3.	Recunoașterea impactului activității (A3) <i>Minim 50 puncte</i>	Documentele doveditoare sunt prezentate în secțiunea A3 a fisei anexate, conform Anexei nr. 11 Ordinului MEN nr. 6129/2016 (dovezi fișier electronic A3_Lavric_Alexandru_Fisa_standarde și extrase WOS folder Raport Dovezi A3)	2801.79

TOTAL PUNCTAJ: 4405.31puncte



* conform ordinului în vigoare al ministerului tutelar privind aprobarea standardelor minimale naționale necesare și obligatorii pentru conferirea titlului de conferențiar și a celui de profesor din învățământul superior, precum și a atestatului de abilitare.

1. Îndeplinirea standardelor minimale și obligatorii pentru conferirea titlului, în conformitate cu Ordinul în vigoare al ministerului tutelar privind aprobarea standardelor minimale naționale necesare și obligatorii pentru conferirea titlului de conferențiar și a celui de profesor din învățământul superior, precum și a atestatului de abilitare.

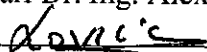
2. Îndeplinirea unui standard minimal și obligatoriu la nivelul USV de a avea un punctaj total cu o valoare cel puțin egală cu **dublul valorii punctajului total minimal** stabilit prin Ordinul în vigoare al ministerului tutelar privind aprobarea standardelor minimale naționale necesare și obligatorii pentru conferirea titlului de conferențiar și a celui de profesor din învățământul superior, precum și a atestatului de abilitare, împreună cu completările aprobate prin Metodologia în vigoare de alocare a fondurilor bugetare pentru finanțarea de bază și finanțarea suplimentară, a instituțiilor de învățământ superior de stat din România.

Condiții minimale obligatorii pe subcategorii:

Condiții minimale obligatorii pe subcategorii		Conferențiar Criteriu	Modalitate de îndeplinire	Îndeplinire
A1.1.1- A1.1.2	Cărți de specialitate	1 Carte/capitol	Alexandru Lavric, Rețele de senzori, Internet of Things de tip large-scale în ecosisteme Smart City, București, Matrix Rom, 2025, ISBN 978-606-25-0994-1 (link)	DA
A2.1	Articole în reviste cotate ISI și în volumele unor manifestări științifice indexate ISI proceedings	6 din care minimum 1 în reviste cotate ISI Q1 sau Q2	73 de articole indexate WOS din care 25 Q1 sau Q2, (dovezi fișier Raport Publicații ISI WEB OF SCIENCE)	DA
A2.4.1	Granturi/proiecte de cercetare câștigate prin competiție (Director/ Responsabil Partener)	1	Director grant de cercetare "Algoritmi de inteligența artificială de tip spectrum sensing pentru rețele IoT de tip large scale high-density" acronim IoT Sensing, PN-IV-P2-2.1-TE-2023-1476, contract nr. 8TE, finanțat de către UEFISCDI, valoare 499.880 lei, format electronic (Folder Dovezi Fisă)	DA
A3.1.1	Număr de citări în cărți, reviste cotate ISI și în volume ale unor manifestări științifice ISI (WOS)	10	802 citări conform Web of Science, fără autocitări (dovada fișier Număr Citări ISI) (link)	DA
	Factor de impact ISI cumulat pentru publicații	4	Factor de Impact cumulat 114.1 (dovezi fișier Raport Publicații ISI WEB OF SCIENCE)	DA

Întocmit,

Nume, prenume și semnătură candidat
Șef Lucrări Dr. Ing. Alexandru Lavric



Data,

09.01.2026

Numele și prenumele: Alexandru Lavric

Secțiunea A1 - Fișa conform standardelor minimele aferente domeniului științific ELECTRONICĂ, TELECOMUNICAȚII ȘI NANOTEHNOLOGIE (Anexa nr. 11)

Nr. crt.	Domeniul activităților	Tipul activităților	Subcategorii	Indicatori	Îndeplinite	Punctaj
1	Activitatea didactică și profesională (A1)	Cărți și capitole în cărți de specialitate în edituri recunoscute	A1.1.1. internaționale	100/nr. de autori	Alexandru Lavric, Liliana Anchiidin, Adrian I. IOT Multi Sensors, MDPI-Sensors, ISBN978-3-0365-7751-7.	33.33
			A 1.1.2. naționale	50/nr. de autori	Alexandru Lavric, Rețele de senzori, Internet of Things de tip large-scale în ecosisteme Smart City, București, Matrix Rom, 2025, ISBN 978-606-25-0994-1	50.00
			TOTAL A1 - ACTIVITATEA DIDACTICĂ ȘI PROFESIONALĂ			

Nume Prenume
Șef Lucrări Dr. Ing. ALEXANDRU LAVRIC

Data
09.01.2026

Alexandru Lavric

Secțiunea A2- Fișa conform standardelor minimele aferente domeniului științific ELECTRONICĂ, TELECOMUNICAȚII ȘI NANOTEHNOLOGIE (Anexa nr. 11)

Nr. Crt.	Domeniul activităților: Activitatea de cercetare (A2)B Subcategoria: A 2.1. Articole în reviste cotate și în volumele unor manifestări științifice indexate ISI proceeding	Cod WOS	Link Articol Jurnal	Link WOS	Punctaj (25+30*factor impact)/nr. de autori	Factor de Impact	Număr de autori
1	Abdelmotaal, Hazem, Suphi Taner, Ramin Salouti, M. Hossein Nowroozadeh, Ali H. Al-Timemy, Alexandru Lavric, Mostafa El Habib Daho, Hidenori Takahashi, Rossen Mihaylov, Hazarbasanov, and Siamak Yousefi. "Artificial Intelligence-Derived Biomechanical Index for Early Corneal Ectasia Detection: Advancing Beyond Tomography." <i>Ophthalmology Science</i> (2025): 100952.	WOS:001617499300001	https://www.ophtalmologyscience.org/article/S2666-9145(25)00250-7/fulltext	https://www.webofscience.com/wos/woscc/full-record/WOS:001617499300001	16.30	4.6	10
2	Mutescu, Partemie-Marian, Adrian-Ioan Petariu, Eugen Coca, Cristian Patatchia-Sultanoiu, Razvan Marius Mihai, and Alexandru Lavric. 2025. "AI-Native PHY-Layer in 6G Orchestrated Spectrum-Aware Networks" <i>Sensors</i> 25, no. 23: 7206. https://doi.org/10.3390/s25237206	WOS:001635480600001	https://www.mdpi.com/1424-8220/25/23/7206	https://www.webofscience.com/wos/woscc/full-record/WOS:001635480600001	21.67	3.5	6
3	Rossen Mihaylov, Hazarbasanov, Lorena Weinketz, Luzia Alves Dos Santos, Carlos Guillermo Arce, Hazem Abdelmotaal, Alexandru Lavric, Hidenori Takahashi, Siamak Yousefi, Ali H. Al-Timemy. Concatenation of optical coherence tomography maps for keratoconus detection with deep learning classifiers. <i>Invest. Ophthalmol. Vis. Sci.</i> 2025;66(10):P80068.	WOS:001558778800017	https://iovs.arvojournals.org/article.a spx?articleid=2810505	https://www.webofscience.com/wos/woscc/full-record/WOS:001558778800017	18.44	4.7	9
4	Rossen M Hazarbasanov, Lorena Weinketz, Luzia Alves Dos Santos, Pedro Henrique Fabres Franco, Carlos Guillermo Arce, Hazem Abdelmotaal, Alexandru Lavric, Hidenori Takahashi, Siamak Yousefi, Ali Al-Timemy. Keratoconus detection in optical coherence tomography with deep learning classifiers. <i>Invest. Ophthalmol. Vis. Sci.</i> 2025;66(8):2791.	WOS:001558778800017	https://iovs.arvojournals.org/article.a spx?articleid=2804624	https://www.webofscience.com/wos/woscc/full-record/WOS:001558778800017	16.60	4.7	10
5	Abdelmotaal H, Hazarbasanov RM, Salouti R, Nowroozadeh MH, Taner S, Al-Timemy AH, Lavric A, Takahashi H, Yousefi S. A Hybrid Transformers-based Convolutional Neural Network Model for Keratoconus Detection in Scheimpflug-based Dynamic Corneal Deformation Videos. <i>J Ophthalmic Vis Res.</i> 2025 Jun 18;20:10.18502/iov.v20.17716. doi: 10.18502/iov.v20.17716. PMID: 40689120. PMCID: PMC12260730.	WOS:001531350200008	https://pmc.ncbi.nlm.nih.gov/articles/PMC12260730/	https://www.webofscience.com/wos/woscc/full-record/WOS:001531350200008	7.78	1.5	9
6	Vicoveanu, Dragoș, Ovidiu Gherman, Luliana Soldănescu, and Alexandru Lavric. 2025. "Patient Health Record Smart Network Challenges and Trends for a Smarter World" <i>Sensors</i> 25, no. 12: 3710. https://doi.org/10.3390/s25123710	WOS:001516418600001	https://www.mdpi.com/1424-8220/25/12/3710	https://www.webofscience.com/wos/woscc/full-record/WOS:001516418600001	32.50	3.5	4
7	Maftei, Alexandru A., Adrian I. Petariu, Valentin Popa, and Alexandru Lavric. 2025. "A Blockchain Framework for Scalable, High-Density IoT Networks of the Future" <i>Sensors</i> 25, no. 9: 2886. https://doi.org/10.3390/s25092886	WOS:001486527800001	https://www.mdpi.com/1424-8220/25/9/2886	https://www.webofscience.com/wos/woscc/full-record/WOS:001486527800001	32.50	3.5	4

Doar

	Murescu, Partemle-Marian, Valentin Popa, and Alexandru Lavric. 2025. "LoRa Communications Spectrum Sensing Based on Artificial Intelligence: IoT Sensing" Sensors 25, no. 9: 2748. https://doi.org/10.3390/s25092748	WOS:001486562500001	https://www.mdpi.com/1424-8220/25/9/2748	https://www.webofscience.com/wos/woscc/full-record/WOS:001486562500001	43.33	3.5	3
9	P.-M. Murescu, A. Lavric, A.-I. Petraru, A.-M. Callean and V. Popa, "Radio Spectrum Sensing Framework for Large-Scale, High-Density IoT Sensor Networks," in IEEE Access, vol. 13, pp. 64594-64609, 2025, doi: 10.1109/ACCESS.2025.3558746.	WOS:001470352400049	https://ieeexplore.ieee.org/document/109602971	https://www.webofscience.com/wos/woscc/full-record/WOS:001470352400049	26.60	3.6	5
10	Lavric, Alexandru, Cătălin Beguni, Eduard Zadoibrischi, Alin-Mihai Călean, and Sebastian-Andrei Avătănăntei. "A comprehensive survey on emerging assistive technologies for visually impaired persons: lighting the path with visible light communications and artificial intelligence innovations." Sensors 24, no. 15 (2024): 4834.	WOS:001287177600001	https://www.mdpi.com/1424-8220/24/15/4834	https://www.webofscience.com/wos/woscc/full-record/WOS:001287177600001	26.00	3.5	5
11	Hazarbassanov, Rossen Mihaylov, Laith Al-Zubaidi, Ali Al-Timemy, Carlos Arce, Pedro Henrique Fabres Franco, Luzia Alves Dos Santos, Zahraa Mosa et al. "Improved feature fusion and representation for detecting keratoconus from corneal maps." Investigative Ophthalmology & Visual Science 65, no. 9 (2024): PB0024-PB0024.	WOS:001312354900023	https://iovs.arvojournals.org/article.aspx?articleid=2800545	https://www.webofscience.com/wos/woscc/full-record/WOS:001312354900023	12.77	4.7	13
12	Hazarbassanov, Rossen M., Ali H. Al-Timemy, Carlos Guillermo Arce, Pedro Henrique Fabres Franco, Luzia Alves Dos Santos, Zahraa Mosa, Hazem Abdelmotaal et al. "Assessing the Efficacy of Deep Learning and Machine Learning Features in Detecting Keratoconus from Corneal Maps." Investigative Ophthalmology & Visual Science 65, no. 7 (2024): 1608-1608.	WOS:001312227704237	https://iovs.arvojournals.org/article.aspx?articleid=2795333	https://www.webofscience.com/wos/woscc/full-record/WOS:001312227704237	12.77	4.7	13
13	Adomnaitel, Cezar-Ion, Cezar-Eduard Lesanu, Adrian Done, Ang Yu, Mihai Dimian, and Alexandru Lavric. 2024. "The Design and Implementation of a Phased Antenna Array System for LEO Satellite Communications" Sensors 24, no. 6: 1915. https://doi.org/10.3390/s24061915	WOS:001192446900001	https://www.mdpi.com/1424-8220/24/6/1915	https://www.webofscience.com/wos/woscc/full-record/WOS:001192446900001	21.67	3.5	6
14	Abdelmotaal, Hazem, Rossen Mihaylov Hazarbassanov, Ramin Salouti, M. Hossein Nowroozzadeh, Suphi Taneri, Ali H. Al-Timemy, Alexandru Lavric, and Siamak Yousefi. "Keratoconus detection-based on dynamic corneal deformation videos using deep learning." Ophthalmology Science 4, no. 2 (2024): 100380.	WOS:001102060200001	https://www.sciencedirect.com/science/article/pii/S2666914523001124?via%3Dihub	https://www.webofscience.com/wos/woscc/full-record/WOS:001102060200001	20.38	4.6	8
15	C.-I. Adomnaitel, C.-E. Lesanu, A. Done, E. Coca, A. Lavric, "Phased Antenna Arrays, Software Defined Radio and Artificial Intelligence: Advancing LEO Satellite Communications," Advances in Electrical and Computer Engineering, vol.24, no.4, pp.57-64, 2024. doi:10.4316/AECE.2024.04006	WOS:001415806000006	https://www.aeece.ro/abstractplus.php?year=2024&number=4&article=6	https://www.webofscience.com/wos/woscc/full-record/WOS:001415806000006	9.20	0.7	5
16	Rossen Mihaylov Hazarbassanov, Laith Al-Zubaidi, Zahraa Mosa, Hazem Abdulmutal, Alexandru Lavric, Hidenori Takahashi, Suphi Taneri, Siamak Yousefi, Ali Al-Timemy, Device antagonist hybrid fusion model for suspect keratoconus detection. Invest. Ophthalmol. Vis. Sci. 2023;64(9):PB0012.	WOS:001052064700005	https://iovs.arvojournals.org/article.aspx?articleid=2791248	https://www.webofscience.com/wos/woscc/full-record/WOS:001052064700005	18.44	4.7	9

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17	Rossen M. Hazarbasanov, Laith Al-Zubaidi, Zahraa M. Mosa, Hazem Abdul Mutal, Alexandru Lavric, Hidenori Takahashi, Taner Taner, Siamak Yousefi, Ali Al-Timemy, The suitability of color histogram-based features for keratoconus detection from corneal thickness with and neural networks., Invest. Ophthalmol. Vis. Sci. 2023;64(8):1089.	WOS:001053758303030	https://iovs.arvojournals.org/article.aspx?articleid=2790356	https://www.webofscience.com/wos/woscc/full-record/WOS:001053758303030	18.44	4.7	9
18	Al-Timemy, Ali H., Laith Alzubaidi, Zahraa M. Mosa, Hazem Abdelmotaal, Nebres H. Ghaeb, Alexandru Lavric, Rossen M. Hazarbasanov, Hidenori Takahashi, Yuntong Gu, and Siamak Yousefi. 2023. "A Deep Feature Fusion of Improved Suspected Keratoconus Detection with Deep Learning." Diagnostics 13, no. 10: 1689. https://doi.org/10.3390/diagnostics13101689	WOS:000997803100001	https://www.mdpi.com/2075-4418/13/10/1689	https://www.webofscience.com/wos/woscc/full-record/WOS:000997803100001	12.40	3.3	10
19	Abdelmotaal H. Hazarbasanov R. Taner S. Al-Timemy A. Lavric A. Takahashi H. Yousefi S. Detecting dry eye from ocular surface videos based on deep learning: The ocular surface. 2023 Apr 1;28:90-8. doi.org/10.1016/j.litos.2023.01.005	WOS:000946555200001	https://www.sciencedirect.com/science/article/abs/pii/S1542012423000113?via=ihub	https://www.webofscience.com/wos/woscc/full-record/WOS:000946555200001	27.57	5.6	7
20	Mattei, Alexandru A., Alexandru Lavric, Adrian I. Petrar, and Valentin Popa. 2023. "Massive Data Storage Solution for IoT Devices Using Blockchain Technologies" Sensors 23, no. 3: 1570. https://doi.org/10.3390/s23031570	WOS:000931900200001	https://www.mdpi.com/1424-8220/23/3/1570	https://www.webofscience.com/wos/woscc/full-record/WOS:000931900200001	32.50	3.5	4
21	Anchidin, Liliana, Alexandru Lavric, Partenie-Marian Murescu, Adrian I. Petrar, and Valentin Popa. 2023. "The Design and Development of a Microstrip Antenna for Internet of Things Applications" Sensors 23, no. 3: 1062. https://doi.org/10.3390/s23031062	WOS:000930167800001	https://www.mdpi.com/1424-8220/23/3/1062	https://www.webofscience.com/wos/woscc/full-record/WOS:000930167800001	26.00	3.5	5
22	Alvasser, Zaid Abdi Alkareem, Ali H. Al-Timemy, Ammar Kamal Abasi, Alexandru Lavric, Husam Jasim Mohammed, Hidenori Takahashi, Jose Arthur Milhomens Filho, Mauro Campos, Rossen M. Hazarbasanov, and Siamak Yousefi. 2022. "A Hybrid Artificial Intelligence Model for Detecting Keratoconus" Applied Sciences 12, no. 24: 12979. https://doi.org/10.3390/app122412979	WOS:000900341900001	https://www.mdpi.com/2076-3417/12/24/12979	https://www.webofscience.com/wos/woscc/full-record/WOS:000900341900001	10.00	2.5	10
23	Hazarbasanov, Rossen M., Zaid Abdi Alkareem Alvasser, Ali Al-Timemy, Alexandru Lavric, Ammar Kamal Abasi, Hidenori Takahashi, Jose Arthur Milhomens Filho, Mauro Campos, and Siamak Yousefi. "Detecting keratoconus on two different populations using an unsupervised hybrid artificial intelligence model." Investigative Ophthalmology & Visual Science 63, no. 7 (2022): 2088-F0077.	WOS:000844401306133	https://iovs.arvojournals.org/article.aspx?articleid=2782316	https://www.webofscience.com/wos/woscc/full-record/WOS:000844401306133	18.44	4.7	9

DOVICS

	Al-Timemy, Ali, Laith Al-Zubaidi, Nebiras Ghaeb, Hidenori Takahashi, Alexandru Lavric, Zahraa Mosa, Rossen M. Hazarbassanov, Zaid Abdi Alkareem Alyasseri, and Siamak Yousefi. "A device-agnostic deep learning model for detecting keratoconus based on anterior elevation corneal maps." <i>Investigative Ophthalmology & Visual Science</i> 63, no. 7 (2022): 2101-F0090.	WOS:000844401306146	https://iovs.arvojournals.org/article.aspx?articleid=2782738	https://www.webofscience.com/wos/woscc/full-record/WOS:000844401306146	18.44	4.7	9
24	Raboaica, Maria Simona, Maria Meheden, Andrei Musat, Andrei Viziteu, Alexandru Creanga, Valentin Viad, Constantin Filote, Mihai Rată, and Alexandru Lavric. "An Overview and Performance Evaluation of Open Charge Point Protocol From an Electromobility Concept Perspective." <i>International Journal of Energy Research</i> 46, no. 2 (September 13, 2021): 523-43. https://doi.org/10.1002/er.7206 .	WOS:000695182800001	https://onlinelibrary.wiley.com/doi/10.1002/er.7206	https://www.webofscience.com/wos/woscc/full-record/WOS:000695182800001	16.78	4.2	9
25							
26	Lavric, Alexandru, Adrian I. Petariu, Partemie-Marian Mutescu, Eugen Coca, and Valentin Popa. 2022. "Internet of Things Concept in the Context of the COVID-19 Pandemic: A Multi-Sensor Application Design" <i>Sensors</i> 22, no. 2: 503. https://doi.org/10.3390/s22020503	WOS:000749912500001	https://www.mdpi.com/1424-8220/22/2/503	https://www.webofscience.com/wos/woscc/full-record/WOS:000749912500001	26.00	3.5	5
27	Petariu, Adrian I., Eugen Coca, and Alexandru Lavric. 2021. "Large-Scale Internet of Things Multi-Sensor Measurement Node for Smart Grid Enhancement" <i>Sensors</i> 21, no. 23: 8093. https://doi.org/10.3390/s21238093	WOS:000735114600001	https://www.mdpi.com/1424-8220/21/23/8093	https://www.webofscience.com/wos/woscc/full-record/WOS:000735114600001	43.33	3.5	3
28	Al-Timemy, Ali H., Zahraa M. Mosa, Zaid Alyasseri, Alexandru Lavric, Marcelo M. Lui, Rossen M. Hazarbassanov, and Siamak Yousefi. "A Hybrid Deep Learning Construct for Detecting Keratoconus From Corneal Maps." <i>Translational vision science & technology</i> 10, no. 14 (2021):doi.org/10.1167/tvst.10.14.16.	WOS:000733882600001	https://tvst.arvojournals.org/article.aspx?articleid=2778165	https://www.webofscience.com/wos/woscc/full-record/WOS:000733882600001	12.88	2.6	8
29	Lavric, Alexandru, Adrian I. Petariu, Stefan Havriliuc, and Eugen Coca. "Glaucoma Detection by Artificial Intelligence: GlauNet A Deep Learning Framework." In 2021 International Conference on e-Health and Bioengineering (EHB), pp. 1-4.doi: 10.1109/EHB52898.2021.9657622. IEEE, 2021. Translational vision science & technology.	WOS:000802227900083	https://ieeexplore.ieee.org/document/9657622	https://www.webofscience.com/wos/woscc/full-record/WOS:000802227900083	8.13	0.25	4
30	Maftei, A.A., Mutescu, P.M., Popa, V., Petariu, A.I. and Lavric, A., 2021, November. Internet of Things Healthcare Application: a Blockchain and LoRa Approach. In 2021 International Conference on e-Health and Bioengineering (EHB) (pp. 1-4).DOI10.1109/EHB52898.2021.9657733.	WOS:000802227900193	https://ieeexplore.ieee.org/document/9657733	https://www.webofscience.com/wos/woscc/full-record/WOS:000802227900193	6.50	0.25	5
31	A. I. Petariu, P.-M. Mutescu, E. Coca, A. Lavric, "A Study on LoRa Signal Propagation Models in Urban Environments for Large-scale Networks Deployment," <i>Advances in Electrical and Computer Engineering</i> , vol.21, no.4, pp.61-68, 2021, doi:10.4316/AECE.2021.04007	WOS:000725107100007	https://www.aee.org/abstractplus.php?year=2021&number=4&article=7	https://www.webofscience.com/wos/woscc/full-record/WOS:000725107100007	11.50	0.7	4

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	Al-Timemy, Ali H., Rossen M. Hazarbassanov, Zahraa M. Mosa, Zaid Alvasser, Alexandru Lavric, Claudio Alan Oliveira da Rosa, Camila Palmeira Griz, Hidenori Takahashi, and Siamak Yousefi. "A hybrid deep learning framework for keratoconus detection based on anterior and posterior corneal maps." <i>Investigative Ophthalmology & Visual Science</i> 62, no. 11 (2021).	WOS:000720324200047	https://iovs.arvojournals.org/article.aspx?articleid=2776681	https://www.webofscience.com/wos/woscc/full-record/WOS:000720324200047	18.44	4.7	9
32	Takahashi, Hidenori, Ali H. Al-Timemy, Zahraa M. Mosa, Zaid Alvasser, Alexandru Lavric, Jose Arthur Pinto Milhomens Filho, Kentaro Yuda, Rossen M. Hazarbassanov, and Siamak Yousefi. "Detecting keratoconus severity from corneal data of different populations with machine learning." <i>Investigative Ophthalmology & Visual Science</i> 62, no. 8 (2021).	WOS:000690761400303	https://iovs.arvojournals.org/article.aspx?articleid=2773455	https://www.webofscience.com/wos/woscc/full-record/WOS:000690761400303	18.44	4.7	9
33	Rossen M Hazarbassanov, Alexandru Lavric, Jose Arthur Pinto Milhomens Filho, Liliana Anichidin, Valentin Popa, Ali H. Al-Timemy, Zaid Alvasser, Hidenori Takahashi, Siamak Yousefi. Evaluation of keratoconus detection from elevation, topography and pachymetry raw data using machine learning. <i>Invest. Ophthalmol. Vis. Sci.</i> 2021;62(8):2154.	WOS:000690761400312	https://iovs.arvojournals.org/article.aspx?articleid=2773938	https://www.webofscience.com/wos/woscc/full-record/WOS:000690761400312	18.44	4.7	9
34	Lavric, A., Anichidin, L., Popa, V., Al-Timemy, A. H., Alvasser, Z., Takahashi, H., Yousefi, S., & Hazarbassanov, R. M. (2021). Keratoconus severity detection from elevation, topography and pachymetry raw data using a machine learning approach. <i>IEEE Access</i> , 9, 84344–84355. https://doi.org/10.1109/access.2021.3086021	WOS:000674122000001	https://ieeexplore.ieee.org/document/9446142	https://www.webofscience.com/wos/woscc/full-record/WOS:000674122000001	16.63	3.6	8.00
35	Lavric, A., Popa, V., Takahashi, H., Hazarbassanov, R. M., & Yousefi, S. (2021). Association between visual field damage and corneal structural parameters. <i>Scientific Reports</i> , 11(1), 10732. https://doi.org/10.1038/s41598-021-90298-0	WOS:000659111400004	https://www.nature.com/articles/s41598-021-90298-0	https://www.webofscience.com/wos/woscc/full-record/WOS:000659111400004	28.40	3.9	5.00
36	Murescu, Partenie-Marian, Adrian Ioan Petariu, and Alexandru Lavric. "Wireless communications for IoT: Energy efficiency survey." In 2021 12th International Symposium on Advanced Topics in Electrical Engineering (ATEE), pp. 1-4. IEEE, 2021.	WOS:000676164800160	https://ieeexplore.ieee.org/document/9425330	https://www.webofscience.com/wos/woscc/full-record/WOS:000676164800160	10.83	0.25	3
37	PETRIARU, A.I. and LAVRIC, A., 2021. March. "Sigfox wireless communication enhancement for internet of things": A study. In 2021 12th International Symposium on Advanced Topics in Electrical Engineering (ATEE) (pp. 1-4). IEEE. WOS:000676164800091.	WOS:000676164800091	https://ieeexplore.ieee.org/document/9425213	https://www.webofscience.com/wos/woscc/full-record/WOS:000676164800091	16.25	0.25	2
38	Lavric, Alexandru, Adrian I. Petariu, and Liliana Anichidin. "Internet of Things Software Defined Radio Technology for LoRaWAN Wireless Communication: A survey." In 2021 12th International Symposium on Advanced Topics in Electrical Engineering (ATEE), pp. 1-4. WOS:000676164800052. IEEE, 2021.	WOS:000676164800052	https://ieeexplore.ieee.org/document/9425135	https://www.webofscience.com/wos/woscc/full-record/WOS:000676164800052	10.83	0.25	3
39	Petriariu, A. I., Lavric, A., Coca, E., & Popa, V. (2020). Hybrid Power Management System for LoRa Communication Using Renewable Energy. <i>IEEE Internet of Things Journal</i> , 8(10), 8423-8436. (WOS:000648206800048).	WOS:000648206800048	https://ieeexplore.ieee.org/document/9302611	https://www.webofscience.com/wos/woscc/full-record/WOS:000648206800048	73.00	8.9	4

Done

	Lavric, Alexandru, Adrian I., Petariu, Eugen Coca, and Valentin Popa. 2020. "LoRa Traffic Generator Based on Software Defined Radio Technology for LoRa Modulation Orthogonality Analysis: Empirical and Experimental Evaluation" Sensors 20, no. 15: 4123.	WOS:000567661100001	https://www.mdpi.com/1424-8220/20/15/4123	https://www.webofscience.com/wos/woscc/full-record/WOS:000567661100001	32.50	3.5	4
41	A. Lavric, A. I. Petariu, E. Coca and V. Popa, "LoRaWAN Analysis from a High-Density Internet of Things Perspective," 2020 International Conference on Development and Application Systems (DAS), Suceava, Romania, 2020, pp. 94-97, IEEE, WOS:000589776100017.	WOS:000589776100017	https://ieeexplore.ieee.org/document/9108921	https://www.webofscience.com/wos/woscc/full-record/WOS:000589776100017	8.13	0.25	4
42				https://www.webofscience.com/wos/woscc/full-record/WOS:000562071500091	33.25	3.6	4
43	A. Lavric, V. Popa, H. Takahashi and S. Yousefi, "Detecting Keratoconus From Corneal Imaging Data Using Machine Learning," in IEEE Access, vol. 8, pp. 149113-149121, 2020	WOS:000562071500001	https://ieeexplore.ieee.org/document/9165721	https://www.webofscience.com/wos/woscc/full-record/WOS:000564733700007	10.83	0.25	3
44	A. I. Petariu, A. Lavric and E. Coca, "LoRaWAN Gateway: Design, Implementation and Testing in Real Environment," 2019 IEEE 25th International Symposium for Design and Technology in Electronic Packaging (SIITME), Cluj-Napoca, Romania, 2019, pp. 49-53	WOS:000564733700007	https://ieeexplore.ieee.org/document/8990791	https://www.webofscience.com/wos/woscc/full-record/WOS:000564733700018	10.83	0.25	3
45	A. I. Petariu, A. Lavric and E. Coca, "Renewable Energy Powered LoRa-based IoT Multi Sensor Node," 2019 IEEE 25th International Symposium for Design and Technology in Electronic Packaging (SIITME), Cluj-Napoca, Romania, 2019, pp. 94-97	WOS:000564733700018	https://ieeexplore.ieee.org/document/8990693	https://www.webofscience.com/wos/woscc/full-record/WOS:000569985400121	8.13	0.25	4
46	Lavric, A., Popa, V., David, C. and Pavel, C.C., 2019, June. Keratoconus Detection Algorithm using Convolutional Neural Networks: Challenges. In 2019 11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) (pp. 1-4). IEEE	WOS:000569985400121	https://ieeexplore.ieee.org/document/9042100	https://www.webofscience.com/wos/woscc/full-record/WOS:000569985400099	8.13	0.25	4
47	Lavric, A., Raboaca, M.S., Nasture, A.M. and Filote, C., 2019, June. Proton-Exchange Membrane Fuel Cells: The Renewable Energy Era. In 2019 11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) (pp. 1-4). IEEE	WOS:000569985400099	https://ieeexplore.ieee.org/document/9042066	https://www.webofscience.com/wos/woscc/full-record/WOS:00046494700009	15.13	3.2	8
48	Răboacă, Maria Simona, Gheorghe Badea, Adrian Enache, Constantin Filote, Gabriel Răsoi, Mihai Rata, Alexandru Lavric, and Raluca-Andreea Felseghi. 2019. "Concentrating Solar Power Technologies" Energies 12, no. 6	WOS:000464947000099	https://www.mdpi.com/1996-1073/12/6/1048	https://www.webofscience.com/wos/woscc/full-record/WOS:000464095900001	49.31	4.098	3
49	LAVRIC, Alexandru; PETRARIU, Adrian I.; POPA, Valentin. Long range siftoz communication protocol scalability analysis under large-scale, high-density conditions. IEEE Access, 2019, 7: 35816-35825, WOS:000464095900001.	WOS:000464095900001	https://ieeexplore.ieee.org/document/8660398				

Doan's

50	Lavric, Alexandru. "LoRa (long-range) high-density sensors for internet of things." <i>Journal of Sensors</i> 2019 (2019). WOS:000460899100001	WOS:000460899100001	https://onlinelibrary.wiley.com/doi/10.1155/2019/35029	https://www.webofscience.com/wos/woscc/full-record/WOS:000460899100001	58.00	1.1	1
51	Lavric, Alexandru, Valentin Popa, KeratoDetect: KeratoDetects, Computational Intelligence and Neuroscience, 2019, 8162567, 9 pages, 2019. https://doi.org/10.1155/2019/8162567 , 89 citări ISI WOS	WOS:000482138400001	https://onlinelibrary.wiley.com/doi/10.1155/2019/8162567	https://www.webofscience.com/wos/woscc/full-record/WOS:000482138400001	44.81	2.154	2
52	Alexandru Lavric and Adrian Ioan Petriaru, High-Density Low Power Wide Area Networks for IoT Applications ECAI 2018 - International Conference - Electronics, Computers and Artificial Intelligence, pp. 1-4, 2018	WOS:000467734100067	https://ieeexplore.ieee.org/document/8678997	https://www.webofscience.com/wos/woscc/full-record/WOS:000467734100067	16.25	0.25	2
53	A. I. Petriaru, A. Lavric and E. Coca, "VLC for vehicular communications: A multiple input multiple output (MIMO) approach." 2018 International Conference on Development and Application Systems (DAS), Suceava, 2018, pp. 134-137. doi: 10.1109/DAS.2018.8396085	WOS:000467080400025	https://ieeexplore.ieee.org/document/8396085	https://www.webofscience.com/wos/woscc/full-record/WOS:000467080400025	10.83	0.25	3
54	A. Lavric and A. I. Petriaru, "LoRaWAN communication protocol: The new era of IoT," 2018 International Conference on Development and Application Systems (DAS), Suceava, Romania, 2018, pp. 74-77.	WOS:000467080400014	https://ieeexplore.ieee.org/document/8396074	https://www.webofscience.com/wos/woscc/full-record/WOS:000467080400014	16.25	0.25	2
55	Petriaru, A. I., Lavric, A. and Coca, E., 2018. Design of an High Frequency RFID Multi-Loop Antenna for Applications in Metallic Environments. <i>Advances in Electrical and Computer Engineering</i> , 18(2), pp.35-41. WOS:000434245000005	WOS:000434245000005	https://www.aeece.ro/abstractplus.php?year=2018&number=2&article=5	https://www.webofscience.com/wos/woscc/full-record/WOS:000434245000005	15.33	0.7	3
56	Alexandru Lavric and Valentin Popa, "Performance Evaluation of LoRaWAN Communication Scalability in Large-Scale Wireless Sensor Networks." <i>Wireless Communications and Mobile Computing</i> , vol. 2018, Article ID 6730719, 9 pages, 2018. https://doi.org/10.1155/2018/6730719 . WOS:000441934600001	WOS:000441934600001	https://onlinelibrary.wiley.com/doi/10.1155/2018/6730719	https://www.webofscience.com/wos/woscc/full-record/WOS:000441934600001	25.54	0.869	2
57	Alexandru Lavric, Valentin Popa, "A LoRaWAN: Long Range Wide Area Networks Study", 11-th International Conference on Electromechanical and Power Systems (SIEMEN 2017), pp. 435-438, DOI: 10.1109/SIEMEN.2017.8123360. (IEEE).	WOS:000426906000079	https://ieeexplore.ieee.org/document/8166397	https://www.webofscience.com/wos/woscc/full-record/WOS:000426906000079	16.25	0.25	2
58	Alexandru Lavric, Valentin Popa, LoRa Wide-Area Networks from an Internet of Things Perspective. ECAI 2017 - International Conference - 9th Edition Electronics, Computers and Artificial Intelligence, pp. 1-4, 2017, DOI: 10.1109/ECAI.2017.8166397	WOS:000425865900013	https://ieeexplore.ieee.org/document/8166397	https://www.webofscience.com/wos/woscc/full-record/WOS:000425865900013	16.25	0.25	2
59	Alexandru Lavric, Valentin Popa, Internet of Things and LoRa Low-Power Wide-Area Networks Challenges. ECAI 2017 - International Conference - 9th Edition Electronics, Computers and Artificial Intelligence, pp. 1-4, 2017, DOI: 10.1109/ECAI.2017.8166405. WOS:000425865900021.	WOS:000425865900021	https://ieeexplore.ieee.org/document/8166405	https://www.webofscience.com/wos/woscc/full-record/WOS:000425865900021	16.25	0.25	2

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60	Lavric, Alexandru, and Valentin Popa, "Performance evaluation of WSN topology control algorithms that can be used in the Smart City concept, Electronics, Computers and Artificial Intelligence (ECAI), 2015 7th International Conference on, IEEE, pp. 5-8 2015, DOI: 10.1109/ECAI.2015.7301242, WOS:000370971100107.	WOS:000370971100107	https://ieeexplore.ieee.org/document/7301242	https://www.webofscience.com/wos/woscc/full-record/WOS:000370971100107	16.25	0.25	2
61	Alexandru Lavric, Valentin Popa, "Semi-Anechoic Chamber Power Measurements of a WSN Transceiver for Smart City Concept Validation", International Symposium on Electronics and Telecommunications 2014 Eleventh Edition, Timisoara, pp.63-66, 2014 (Thomson Reuters, ISI Conference Proceedings Citation Index), Accession Number: WOS:000366333000133300015	WOS:00036633300015	https://ieeexplore.ieee.org/document/7010748	https://www.webofscience.com/wos/woscc/full-record/WOS:000366333000133300015	16.25	0.25	2
62	Lavric Alexandru, Popa Valentin, Sfichi Stefan, "Street lighting control system based on large-scale WSN: A step towards a Smart City", Electrical and Power Engineering (EPE), 2014 International Conference and Exposition on, pp.673,676, 16-18 Oct. 2014, (Thomson Reuters ISI Conference Proceedings Citation Index), Accession Number: WOS:000353565300122	WOS:000353565300122	https://ieeexplore.ieee.org/document/6969994/	https://www.webofscience.com/wos/woscc/full-record/WOS:000353565300122	16.25	0.25	2
63	Alexandru Lavric, Valentin Popa, Stefan Sfichi, "Adaptive Channel Selection Algorithm for a Large Scale Street Lighting Control ZigBee Network in the Presence of WLAN Interference", Elektronika ir Elektrotehnika Journal, Vol. 19, Nr. 9, pp. 105-109, 2013	WOS:000330687100023	https://eejournal.ktu.lt/index.php/elt/article/view/5659	https://www.webofscience.com/wos/woscc/full-record/WOS:000330687100023	15.17	0.684	3
64	Alexandru Lavric, Valentin Popa, "The Hardware Design of a Street Lighting Control with Vehicle and Malfunction Detection", The 8th International Symposium on Advanced Topics in Electrical Engineering Bucharest May 23-25, pp. 1-4, 2013	WOS:000332928500186	https://ieeexplore.ieee.org/document/6563532	https://www.webofscience.com/wos/woscc/full-record/WOS:000332928500186	16.25	0.25	2
65	Alexandru LAVRIC, Valentin POPA, "Performance Evaluation of Topology Control Algorithms Performance Evaluation of Topology Control Algorithms that can be integrated into a Street Lighting Control Sensor Network", RoEdu International Conference, pp. 111-114, 2013, DOI: 10.1109/RoEduNet.2013.6511741, Accession Number: WOS:00032055810001	WOS:000320558100018	https://ieeexplore.ieee.org/document/6511741	https://www.webofscience.com/wos/woscc/full-record/WOS:000320558100018	16.25	0.25	2
66	D. Simion, M.F. Ursuleanu, A. Graur, A.D. Potorac, A. Lavric, "Efficiency Consideration for Data Packets Encryption within Wireless VPN Tunneling for Video Streaming", International Journal of Computers, Communications & Control (IJCCC), pp. 112-122, Vol. 8, nr.1, 2013, ISSN: 1841-9844	WOS:000312043600015	https://univagora.ro/jour/index.php/iijccc/article/view/177	https://www.webofscience.com/wos/woscc/full-record/WOS:000312043600015	16.40	1.9	5
67	I. Finis, V. Popa, A. Lavric, C. Males, S. Sfichi, "Performance Evaluation of 13.56 MHz RFID Antenna Operating in Metallic Environments, 20th Telecommunications forum TELFOR 2012, Serbia, Belgrade, November 20-22, pp. 1210-1213, DOI: 10.1109/TELFOR.2012.6419432, IEEE, 2012, (WOS:000316626800290).	WOS:000316626800290	https://ieeexplore.ieee.org/document/6419432	https://www.webofscience.com/wos/woscc/full-record/WOS:000316626800290	6.50	0.25	5
68	Males Codrin, Popa Valentin, Lavric Alexandru, Finis Iile, "Performance Evaluation of Power Line Communications over Power Transformers, 2012 20th Telecommunications Forum (TELFOR), pp. 627-630, 2012 WOS:000316626800152, DOI: 10.1109/TELFOR.2012.6419432	WOS:000316626800152	https://ieeexplore.ieee.org/document/6419288	https://www.webofscience.com/wos/woscc/full-record/WOS:000316626800152	10.83	0.25	3
69	Daniel Simion, Adrian Graur, Lavric Alexandru, Ali Haider Mahdi, Sfichi Stefan, "An Optimize Particle Swarm Optimization Routing Algorithm for Data Transmission in Cognitive Radio Networks", IEEE Conference, pp. 213-216, 2012, DOI: 10.1109/SETC.2012.6408148, Accession Number: WOS:000318702700049.	WOS:000318702700049	https://ieeexplore.ieee.org/document/6408148	https://www.webofscience.com/wos/woscc/full-record/WOS:000318702700049	6.50	0.25	5

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70	I. Finis, V. Popa and A. Lavric, "A mathematical approach of a HF RFID multi loop antenna for metallic environments," 2012 International Conference and Exposition on Electrical and Power Engineering, Iasi, Romania, 2012, pp. 679-682, doi: 10.1109/ICEPE.2012.6463854.	WOS:000324685300123	https://ieeexplore.ieee.org/document/6463854	https://www.webofscience.com/wos/woscc/full-record/WOS:000324685300123	10.83	0.25	3	
71	Alexandru Lavric, Valentin Popa, Ilie Finis, "The Design of a Street Lighting Monitoring and Control System," Conference Electrical and Power Engineering EPE , pp. 314-317, 2012, DOI: 10.1109/ICEPE.2012.6463912, Accession Number: WOS:000324685300056	WOS:000324685300056	https://ieeexplore.ieee.org/document/6463912	https://www.webofscience.com/wos/woscc/full-record/WOS:000324685300056	10.83	0.25	3	
72	Alexandru Lavric, Valentin Popa, Ilie Finis, Adrian M. Gaitan, Adrian I. Petriaru, "Packet Error Rate Analysis of IEEE 802.15.4 under 802.11g and Bluetooth Interferences", 9th International Conference on Communications, COMM 2012, pp. 259-262, 2012, DOI: 10.1109/ICComm.2012.6262616	WOS:000307808200060	https://ieeexplore.ieee.org/document/6262616	https://www.webofscience.com/wos/woscc/full-record/WOS:000307808200060	6.50	0.25	5	
73	Adrian-Mihai Gaitan, Valentin Popa, Vasile-Gheorghita Gaitan, Adrian-Ioan Petriaru, Alexandru Lavric, Simona-Anda Gherasim, "RFID Network Traffic Analysis Based On An Empirical Model," 9th International Conference on Communications, COMM 2012, pp 201-204, 2012, DOI: 10.1109/ICComm.2012.6262549.	WOS:000307808200046	https://ieeexplore.ieee.org/document/6262549	https://www.webofscience.com/wos/woscc/full-record/WOS:000307808200046	5.42	0.25	6	
Domeniul activităților: Activitatea de cercetare (A2)B Subcategoria: A 2.2. Articole în reviste și volumele unor manifestări științifice indexate în alte baze de date internaționale (BDI)								
75	Mutescu, P. M., Lavric, A., Petriaru, A. I. & Popa, V. (2025, August). AI-Powered Capabilities for IoT Spectrum Sensing Applications. In 2025 International Conference on Artificial Intelligence, Computer, Data Sciences and Applications (ACDOSA) (pp. 1-6).	-	https://ieeexplore.ieee.org/document/11165847/authors	-	-	5.00	0	4
76	MUTESCU, Partenie-Marian; POPA, Valentin; LAVRIC, Alexandru, "Dataset Creation Strategies for Future AI-based Radio Spectrum Sensing Applications," 2025 International Conference on Control, Automation and Diagnosis (ICCAD), Barcelona, Spain, 2025, pp. 1-6, doi: 10.1109/ICCAD64771.2025.11099123.	-	https://ieeexplore.ieee.org/document/11099123	-	-	6.67	0	3
77	Amir Rahdar, Wugaas M. Munir, Kia Bayat, Farid Karimian, Ali H. Al-Timerny, Alexandru Lavric, Hidenori Takahashi, Hazem Abdelmottal, Rossen Hazarbasanov, Suphi Tanerli, Siamak Yousefi, A Hierarchical Deep Learning Approach for Early Keratoconus Detection. Invest. Ophthalmol. Vis. Sci. 2025;66(10):PB0067.	-	https://iovs.arvojournals.org/article.aspx?articleid=2810506	-	-	1.82	0	11
78	Lavric, Alexandru, Cristian Patachie-Sultanolu, Razvan Marius Mihal, and Partenie-Marian Mutescu, "AI-Powered Spectrum Sensing Capabilities for Future Networks Beyond 5G." In 2024 15th International Conference on Information, Intelligence, Systems & Applications (IISA), pp. 1-7, IEEE, 2024.	-	https://ieeexplore.ieee.org/document/10786649	-	-	5.00	0	4
79	A. -A. Matfei, A. Lavric, A. -I. Petriaru and V. Popa, "Performance Evaluation of Block Size Influence on Blockchain-Enabled IoT Data Storage," 2023 15th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Bucharest, Romania, 2023, pp. 1-4, doi: 10.1109/ECAI58194.2023.10194108.	-	https://ieeexplore.ieee.org/document/10194108	-	-	5.00	0	4

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	P. M. Mutescu, A. Lavric, A. I. Petrariu and V. Popa, "A Hybrid Deep Learning Spectrum Sensing Architecture for IoT Technologies Classification," 2023 17th International Conference on Engineering of Modern Electric Systems (EMES), Oradea, Romania, 2023, pp. 1-4, doi: 10.1109/EMES58375.2023.10171667.	-	https://ieeexplore.iee.org/document/10171667	-	5.00	0	4
80	A. A. Matfei, A. Lavric, A. I. Petrariu and V. Popa, "Blockchain for Internet of Things: A Consensus Mechanism Analysis," 2023 13th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, Romania, 2023, pp. 1-5, doi: 10.1109/ATEE58038.2023.10108211.	-	https://ieeexplore.iee.org/document/10108211	-	5.00	0	4
81	P. M. Mutescu, A. Lavric, A. I. Petrariu and V. Popa, "Deep Learning Enhanced Spectrum Sensing for LoRa Spreading Factor Detection," 2023 13th International Symposium on Advanced Topics in Electrical Engineering (ATEE), Bucharest, Romania, 2023, pp. 1-5, doi: 10.1109/ATEE58038.2023.10108224.	-	https://ieeexplore.iee.org/document/10108224	-	5.00	0	4
82	A. Lavric, A. I. Petrariu and V. Popa, "LoRa Modulation: A 2.4GHz Communication Strategy," 2022 3rd International Conference on Computation, Automation and Knowledge Management (ICCAKM), Dubai, United Arab Emirates, 2022, pp. 1-4, doi: 10.1109/ICCAKM54721.2022.9990110.	-	https://ieeexplore.iee.org/document/9990110	-	6.67	0	3
83	P. M. Mutescu, A. Lavric, A. I. Petrariu and V. Popa, "Evaluation of a new spectrum sensing technique for Internet of Things: An AI approach," 2022 International Conference on Development and Application Systems (DAS), Suceava, Romania, 2022, pp. 91-94, doi: 10.1109/DAS54948.2022.9786101.	-	https://ieeexplore.iee.org/document/9786101	-	5.00	0	4
84	Havriliuc, S., Lavric, A., Petrariu, A. I., Coca, E. and Popa, V., 2024, May, Expanding IoT Connectivity by Using 2.4 GHz LoRa Technology. In 2024 International Conference on Development and Application Systems (DAS) (pp. 87-90). IEEE.	-	https://ieeexplore.iee.org/document/10541131/	-	4.00	0	5
85	A. Lavric and V. Popa, "Performance Evaluation of Routing Algorithms Used in Large-Scale WSN: A Step Towards a Smart City," Przegląd Elektrotechniczny (Electrical Review), vol. 91, no. 8, pp. 128-131, 2015, doi: 10.15199/48.2015.08.24.	-	https://sigma-not.pl/publikacja-92794-2015-8.html	scoous	10.00	0	2
86	Alexandru Lavric, Adrian I. Petrariu and Valentin Popa, SigFox Communication Protocol: The New Era of IoT?, International Symposium on Sensors and Instrumentation in IoT Era August 29-30, 2019, Lisbon, Portugal.	-	https://ieeexplore.iee.org/document/9043727	-	6.67	0	3
87	Domeniul activităților: Activitatea de cercetare (A2)B Categoria: A 2.2. Granturi/proiecte câștigate prin competiție, Subcategoria: A 2.4.1.2. naționale Punctaj 10* ani de desfășurare						

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Director grant, proiect de cercetare "Algoritmi de inteligență artificială de tip spectrum sensing pentru rețele IoT de tip large scale high-density" acronim IoT Sensing, PN-IV-P2-2.1-TE-2023-1476, contract nr. 8TE din 08/01/2025, finanțat de către UEFISCDI, valoare 91 499.880 lei, Dovadă Folder Dovezi				20.00 1520.19
TOTAL Activitatea de cercetare (A2) 				

Nume Prenume
 Șef Lucrări Dr. Ing. ALEXANDRU LAVRIC

Lavric

Data
 09.01.2026

Secțiunea A3- Fișa conform standardelor minimele aferente domeniului științific ELECTRONICĂ, TELECOMUNICAȚII ȘI NANOTEHNOLOGIE (Anexa nr. 11)

Nr. Crt.	Domeniul activităților: Recunoașterea impactului activității (A3) Tipul activității: Citări în cărți, reviste și volume ale unor manifestări științifice Subcategorii: A3.1.1 cărți, ISI Indicatori: 8/nr. autori art. citat Îndeplinire	Punctaj	Numar autori articol citat	Numar citari Jurnal Q1/Q2	Numar citari ISI	Numar TOTAL Citări ISI
1	A. Lavric, A. I. Petrariu and V. Popa, "Long Range SigFox Communication Protocol Scalability Analysis Under Large-Scale, High-Density Conditions," in IEEE Access, vol. 7, pp. 35816-35825, 2019, doi: 10.1109/ACCESS.2019.2903157, 126 citări ISI WOS (conform Raport Dovezi A3)	496.00	3	60	66	126
2	Lavric, Alexandru, Valentin, Popa, KeratoDetect: Keratoconus Detection Algorithm Using Convolutional Neural Networks. Computational Intelligence and Neuroscience, 2019, 8162567, 9 pages, 2019, https://doi.org/10.1155/2019/8162567, 85 citări ISI WOS (conform Raport Dovezi A3)	560.00	2	55	30	85
3	Răboacă, Maria Simona, Gheorghe Badea, Adrian Enache, Constantin Filote, Gabriel Răsoi, Mihai Rata, Alexandru Lavric, and Raluca Andreea Felisechi. "Concentrating solar power technologies." Energies 12, no. 6 (2019): 1048, 59 citări (conform Raport Dovezi A3)	88.00	8	29	30	59
4	A. Lavric and A. I. Petrariu, "LoRaWAN communication protocol: The new era of IoT," 2018 International Conference on Development and Application Systems (DAS), Suceava, Romania, 2018, pp. 74-77, doi: 10.1109/DAS.2018.8396074, 48 citări ISI WOS (conform Raport Dovezi A3)	268.00	2	19	29	48
5	Lavric, Alexandru, Popa, Valentin, Performance Evaluation of LoRaWAN Communication Scalability in Large-Scale Wireless Sensor Networks, Wireless Communications and Mobile Computing, 2018, 6730719, 9 pages, 2018, https://doi.org/10.1155/2018/6730719, 44 citări ISI WOS (conform Raport Dovezi A3)	272.00	2	24	20	44
6	Lavric, Alexandru, and Valentin Popa. "A LoRaWAN: Long range wide area networks study." 2017 International conference on electromechanical and power systems (SIELMEN). IEEE, 2017. 39 citări (conform Raport Dovezi A3)	208.00	2	13	26	39

Donec

Secțiunea A3- Fișa conform standardelor minimale aferente domeniului științific ELECTRONICĂ, TELECOMUNICAȚII ȘI NANOTEHNOLOGIE (Anexa nr. 11)

Nr. Crt.	Domeniul activităților: Recunoașterea impactului activității (A3) Tipul activităților: Citări în cărți, reviste și volume ale unor manifestări științifice Subcategorii: A3.1.1 cărți, ISI Indicatori: 8/nr. autori art. citat Îndeplinire	Punctaj	Numar autori articol citat	Numar citar Jurnal Q1/Q2	Numar citar ISI	Numar TOTAL Citar ISI
7	Lavric, Alexandru, LoRa (Long-Range) High-Density Sensors for Internet of Things, Journal of Sensors, 2019, 3502987, 9 pages, 2019, https://doi.org/10.1155/2019/3502987 , 29 citări ISI WOS, (conform Raport Dovezi A3)	352.00	1	15	14	29
8	Al-Timemy, A. H., Mosa, Z. M., Alyasseri, Z., Lavric, A., Lui, M. M., Hazarbassanov, R. M., & Yousefi, S. (2021). "A hybrid deep learning construct for detecting keratoconus from corneal maps". Translational vision science & technology, 10(14), 16-16, 27 citări (conform Raport Dovezi A3)	56.00	7	22	5	27
9	Lavric, A., Popa, V., Takahashi, H., & Yousefi, S. (2020). "Detecting keratoconus from corneal imaging data using machine learning". IEEE Access, 8, 149113-149121. 23 citări (conform Raport Dovezi A3)	92.00	4	23	0	23
10	Petrariu, A. I., Lavric, A., Coca, E., & Popa, V. (2020). "Hybrid power management system for LoRa communication using renewable energy". IEEE Internet of Things Journal, 8(10), 8423-8436. 22 citări (conform Raport Dovezi A3)	88.00	4	22	0	22
11	Al-Timemy, Ali H., Laith Alzubaidi, Zahraa M. Mosa, Hazem Abdelmotaal, Nebraska H. Ghaeb, Alexandru Lavric, Rossen M. Hazarbassanov, Hidenori Takahashi, Yuantong Gu, and Siamak Yousefi. 2023. "A Deep Feature Fusion of Improved Suspected Keratoconus Detection with Deep Learning" Diagnostics 13, no. 10: 1689. https://doi.org/10.3390/diagnostics13101689 , 20 citări (conform Raport Dovezi A3)	16.00	10	-	20	20
12	Mattei, Alexandru A., Alexandru Lavric, Adrian I. Petrariu, and Valentin Popa. 2023. "Massive Data Storage Solution for IoT Devices Using Blockchain Technologies" Sensors 23, no. 3: 1570. https://doi.org/10.3390/s23031570 21 citări (conform Raport Dovezi A3)	42.00	4	-	21	21

Lucia

Secțiunea A3- Fișa conform standardelor minimele aferente domeniului științific ELECTRONICĂ, TELECOMUNICAȚII ȘI NANOTEHNOLOGIE (Anexa nr. 11)

Nr. Crt.	Domeniul activităților: Recunoașterea impactului activității (A3) Tipul activităților: Citări în cărți, reviste și volume ale unor manifestări științifice Subcategorii: A3.1.1 cărți, ISI Indicatori: 8/nr. autori art. citat Îndeplinire	Punctaj	Numar autori articol citat	Numar citări Jurnal Q1/Q2	Numar citări ISI	Numar TOTAL Citări ISI
13	Lavric, A. Popa, V., & Sfichi, S. (2014, October). "Street lighting control system based on large-scale WSN: A step towards a smart city". In 2014 International Conference and Exposition on Electrical and Power Engineering (EPE) (pp. 673-676). IEEE. 19 citări (conform Raport Dovezi A3)	50.67	3	-	19	19
14	Anchidin, Liliana, Alexandru Lavric, Partemie-Marian Mutescu, Adrian I. Petrariu, and Valentin Popa. 2023. "The Design and Development of a Microstrip Antenna for Internet of Things Applications" Sensors 23, no. 3: 1062. https://doi.org/10.3390/s23031062 17 citări, (conform Raport Dovezi A3)	27.20	5	-	17	17
15	Raboača, Maria Simona, Maria Meheden, Andrei Musat, Andrei Vițiteu, Alexandru Creanța, Valentin Vlad, Constantin Filote, Mihai Rătă, and Alexandru Lavric. "An Overview and Performance Evaluation of Open Charge Point Protocol From an Electromobility Concept Perspective." International Journal of Energy Research 46, no. 2 (September 13, 2021): 523-43. https://doi.org/10.1002/er.7206 16 citări (conform Raport Dovezi A3)	14.22	9	-	16	16
16	Lavric, Alexandru, Adrian I. Petrariu, Partemie-Marian Mutescu, Eugen Coca, and Valentin Popa. 2022. "Internet of Things Concept in the Context of the COVID-19 Pandemic: A Multi-Sensor Application Design" Sensors 22, no. 2: 503. https://doi.org/10.3390/s22020503 , 15 citări ISI, WOS (conform Raport Dovezi A3)	24.00	5	-	15	15
17	Lavric, Alexandru, Cătălin Beguni, Eduard Zadobrischi, Alin-Mihai Călean, and Sebastian-Andrei Avățmănței. 2024. "A Comprehensive Survey on Emerging Assistive Technologies for Visually Impaired Persons: Lighting the Path with Visible Light Communications and Artificial Intelligence Innovations" Sensors 24, no. 15: 4834. https://doi.org/10.3390/s24154834 , 14 citări (conform Raport Dovezi A3)	22.40	5	-	14	14
18	Lavric, Alexandru, Adrian I. Petrariu, Eugen Coca, and Valentin Popa. 2020. "LoRa Traffic Generator Based on Software Defined Radio Technology for LoRa Modulation Orthogonality Analysis: Empirical and Experimental Evaluation" Sensors 20, no. 15: 4123. https://doi.org/10.3390/s20154123 , 12 citări (conform Raport Dovezi A3)	24.00	12	-	12	12

Secțiunea A3- Fișa conform standardelor minimele aferente domeniului științific ELECTRONICĂ, TELECOMUNICAȚII ȘI NANOTEHNOLOGIE (Anexa nr. 11)

Nr. Crt.	Domeniul activităților: Recunoașterea impactului activității (A3) Tipul activităților: Cărți în cărți, reviste și volume ale unor manifestări științifice Subcategorii: A3.1.1 cărți, ISI Indicatori: 8/nr. autori art. citat Îndeplinire	Punctaj	Numar autori articol citat	Numar citari Jurnal Q1/Q2	Numar citari ISI	Numar TOTAL Citări ISI	
19	Lavric, A., Anchidin, L., Popa, V., Al-Timemy, A. H., Alyasseri, Z., Takahashi, H., Yousefi, S., & Hazarbasanov, R. M. (2021). "Keratoconus severity detection from elevation, topography and pachymetry raw data using a machine learning approach". IEEE Access, 9, 84344–84355. https://doi.org/10.1109/access.2021.3086021 (conform Raport Dovezi A3)	12.00	8	-		12	12
20	Abdelmotaal H, Hazarbasanov R, Taneri S, Al-Timemy A, Lavric A, Takahashi H, Yousefi S. "Detecting dry eye from ocular surface videos based on deep learning". The ocular surface. 2023 Apr 1;28:90-8. doi:org/10.1016/j.itos.2023.01.005 11 citări. (confirm Raport Dovezi A3)	12.57	7	-		11	11
21	A. I. Petariu, A. Lavric and E. Coca, "VLC for vehicular communications: A multiple input multiple output (MIMO) approach," 2018 International Conference on Development and Application Systems (DAS), 2018, pp. 134-137. doi: 10.1109/DAAS.2018.8396085, (conform Raport Dovezi A3)	29.33	3	-		11	11
22	A. I. Petariu, A. Lavric and E. Coca, "LoRaWAN Gateway: Design, Implementation and Testing in Real Environment," 2019 IEEE 25th International Symposium for Design and Technology in Electronic Packaging (SIITME), Cluj-Napoca, Romania, 2019, pp. 49-53 (conform Raport Dovezi A3)	24.00	3	-		9	9
23	Alexandru Lavric, Valentin Popa, Ilie Finis, Adrian M. Gaitan, Adrian I. Petariu, "Packet Error Rate Analysis of IEEE 802.15.4 under 802.11g and Bluetooth Interferences", 9th International Conference on Communications, COMM 2012, pp. 259-262, 2012, DOI: 10.1109/ICComm.2012.6262616, (conform Raport Dovezi A3)	14.40	5	-		9	9
24	Abdelmotaal, Hazem, Rossen Mihaylov Hazarbasanov, Ramin Salouti, M. Hossein Nowroozadeh, Suphi Taneri, Ali H. Al-Timemy, Alexandru Lavric, and Siamak Yousefi. "Keratoconus detection-based on dynamic corneal deformation videos using deep learning." Ophthalmology Science 4, no. 2 (2024): 100380. (conform Raport Dovezi A3)	9.00	8	-	9	9	9

Secțiunea A3- Fișa conform standardelor minimale aferente domeniului științific ELECTRONICĂ, TELECOMUNICAȚII ȘI NANOTEHNOLOGIE (Anexa nr. 11)

Nr. Cr.	Domeniul activităților: Recunoașterea impactului activității (A3) Tipul activităților: Cărți în cărți, reviste și volume ale unor manifestări științifice Subcategorii: A3.1.1 cărți, ISI Indicatori: 8/nr. autori art. citat Îndeplinire	Punctaj	Numar	Numar	Numar	Numar
			autori articol citat	citari Jurnal Q1/Q2	citari ISI	TOTAL Citări ISI
TOTAL A3 - RECUNOAȘTEREA IMPACTULUI ACTIVITĂȚII						
		2801.79				

Nume Prenume

Alexis

Șef Lucrări Dr. Ing. ALEXANDRU LAVRIC

Data

09.01.2026

Raport Publicații ISI WEB OF SCIENCE
Numele și prenumele: Alexandru Lavric

Nr. crt.	Date Identificare Articol	Cod WOS	Link Articol Jurnal	Link WOS	Factor de Impact	Număr de autori	Indexare Q1/Q2
1	Abdelmotaal, Hazem, Suphi Taneri, Ramin Salouti, M. Hossein Nowroozzadeh, Ali H. Al-Timemy, Alexandru Lavric, Mostafa El Habib Daho, Hidenori Takahashi, Rossen Mihaylov Hazarbasanov, and Siamak Yousefi. "Artificial Intelligence-Derived Biomechanical Index for Early Corneal Ectasia Detection: Advancing Beyond Tomography." <i>Ophthalmology Science</i> (2025): 100952.	WOS:001617499300001	https://www.ophtalmologyscience.org/article/S2666-9145(25)00250-7/fulltext	https://www.webofscience.co.m/wos/woscc/full-record/WOS:001617499300001	4.6	10	0
2	Mutescu, Partemie-Marian, Adrian-Ioan Petrariu, Eugen Coca, Cristian Patachia-Sultanoiu, Razvan Marius Mihal, and Alexandru Lavric. 2025. "AI-Native PHY-Layer in 6G Orchestrated Spectrum-Aware Networks" <i>Sensors</i> 25, no. 23: 7206. https://doi.org/10.3390/s25237206	WOS:001635480600001	https://www.mdpi.com/1424-8220/25/23/7206	https://www.webofscience.co.m/wos/woscc/full-record/WOS:001635480600001	3.5	6	1
3	Rossen Mihaylov Hazarbasanov, Lorena Weinketz, Luzia Alves Dos Santos, Carlos Guillermo Arce, Hazem Abdelmotaal, Alexandru Lavric, Hidenori Takahashi, Siamak Yousefi, Ali H. Al-Timemy. Concatenation of optical coherence tomography maps for keratoconus detection with deep learning classifiers. <i>Invest. Ophthalmol. Vis. Sci.</i> 2025;66(10):PB0068.	WOS:001558778800017	https://iovs.arvojournals.org/article.aspx?articleid=2810505	https://www.webofscience.co.m/wos/woscc/full-record/WOS:001558778800017			0
4	Rossen M Hazarbasanov, Lorena Weinketz, Luzia Alves Dos Santos, Pedro Henrique Fabres Franco, Carlos Guillermo Arce, Hazem Abdelmotaal, Alexandru Lavric, Hidenori Takahashi, Siamak Yousefi, Ali Al-Timemy. Keratoconus detection in optical coherence tomography with deep learning classifiers. <i>Invest. Ophthalmol. Vis. Sci.</i> 2025;66(8):2791.	WOS:001558778800017	https://iovs.arvojournals.org/article.aspx?articleid=2804624	https://www.webofscience.co.m/wos/woscc/full-record/WOS:001558778800017	0	0	0
5	Abdelmotaal H, Hazarbasanov RM, Salouti R, Nowroozzadeh MH, Taneri S, Al-Timemy AH, Lavric A, Takahashi H, Yousefi S. A Hybrid Transformers-based Convolutional Neural Network Model for Keratoconus Detection in Scheimpflug-based Dynamic Corneal Deformation Videos. <i>J Ophthalmic Vis Res.</i> 2025 Jun 18;20:10.18502/iovrv20.17716. doi: 10.18502/iovrv20.17716. PMID: 40689120; PMCID: PMC12260730.	WOS:001531350200008	https://pmc.ncbi.nlm.nih.gov/articles/PMC12260730/	https://www.webofscience.co.m/wos/woscc/full-record/WOS:001531350200008	1.5	9	0
6	Vicoveanu, Dragoș, Ovidiu Gherman, Luliana Soldănescu, and Alexandru Lavric. 2025. "Patient Health Record Smart Network Challenges and Trends for a Smarter World" <i>Sensors</i> 25, no. 12: 3710. https://doi.org/10.3390/s25123710	WOS:001516418600001	https://www.mdpi.com/1424-8220/25/12/3710	https://www.webofscience.co.m/wos/woscc/full-record/WOS:001516418600001	3.5	4	1
7	Maftai, Alexandru A., Adrian I. Petrariu, Valentin Popa, and Alexandru Lavric. 2025. "A Blockchain Framework for Scalable, High-Density IoT Networks of the Future" <i>Sensors</i> 25, no. 9: 2886. https://doi.org/10.3390/s25092886	WOS:001486527800001	https://www.mdpi.com/1424-8220/25/9/2886	https://www.webofscience.co.m/wos/woscc/full-record/WOS:001486527800001	3.5	4	1
8	Mutescu, Partemie-Marian, Valentin Popa, and Alexandru Lavric. 2025. "LoRa Communications Spectrum Sensing Based on Artificial Intelligence: IoT Sensing" <i>Sensors</i> 25, no. 9: 2748. https://doi.org/10.3390/s25092748	WOS:001486562500001	https://www.mdpi.com/1424-8220/25/9/2748	https://www.webofscience.co.m/wos/woscc/full-record/WOS:001486562500001	3.5	3	1

Donec

Nr. crt.	Date Identificare Articol	Cod WOS	Link Articol Jurnal	Link WOS	Factor de Impact	Număr de autori	Indexare Q1/Q2
9	P.-M. Mutescu, A. Lavric, A.-I. Petrariu, A.-M. Gălean and V. Popa, "Radio Spectrum Sensing Framework for Large-Scale, High-Density IoT Sensor Networks," in IEEE Access, vol. 13, pp. 64594-64609, 2025, doi: 10.1109/ACCESS.2025.3558746.	WOS:001470352400049	https://ieeexplore.ieee.org/document/10960297/	https://www.webofscience.com/wos/woscc/full-record/WOS:001470352400049	3,6	5	1
10	Lavric, Alexandru, Cătălin Beguñi, Eduard Zadobrischi, Alin-Mihai Gălean, and Sebastian Andrei Avătmăniței. "A comprehensive survey on emerging assistive technologies for visually impaired persons: lighting the path with visible light communications and artificial intelligence innovations." Sensors 24, no. 15 (2024): 4834.	WOS:001287177600001	https://www.mdpi.com/1424-8220/24/15/4834	https://www.webofscience.com/wos/woscc/full-record/WOS:001287177600001	3,5	5	1
11	Hazarbassanov, Rossen Mihaylov, Laith Al-Zubaidi, Ali Al-Timemy, Carlos Arce, Pedro Henrique Fabres Franco, Luzia Alves Dos Santos, Zahraa Mosa et al. "Improved feature fusion and representation for detecting keratoconus from corneal maps." Investigative Ophthalmology & Visual Science 65, no. 9 (2024): PB0024-PB0024.	WOS:001312354900023	https://jovs.arvojournals.org/article.aspx?articleid=2800545	https://www.webofscience.com/wos/woscc/full-record/WOS:001312354900023	0	13	0
12	Hazarbassanov, Rossen M., Ali H. Al-Timemy, Carlos Guillermo Arce, Pedro Henrique Fabres Franco, Luzia Alves Dos Santos, Zahraa Mosa, Hazem Abdelmotaal et al. "Assessing the Efficacy of Deep Learning and Machine Learning Features in Detecting Keratoconus from Corneal Maps." Investigative Ophthalmology & Visual Science 65, no. 7 (2024): 1608-1608.	WOS:001312227704237	https://jovs.arvojournals.org/article.aspx?articleid=2795333	https://www.webofscience.com/wos/woscc/full-record/WOS:001312227704237	0	13	0
13	Adomnitei, Cezar-Ion, Cezar-Eduard Lesanu, Adrian Done, Ang Yu, Mihai Dimian, and Alexandru Lavric. 2024. "The Design and Implementation of a Phased Antenna Array System for LEO Satellite Communications" Sensors 24, no. 6: 1915. https://doi.org/10.3390/s24061915	WOS:001192446900001	https://www.mdpi.com/1424-8220/24/6/1915	https://www.webofscience.com/wos/woscc/full-record/WOS:001192446900001	3,5	6	1
14	Abdelmotaal, Hazem, Rossen Mihaylov, Hazarbassanov, Ramin Salouti, M. Hossein Nowroozadeh, Suphi Taner, Ali H. Al-Timemy, Alexandru Lavric, and Siamak Yousefi. "Keratoconus detection-based on dynamic corneal deformation videos using deep learning." Ophthalmology Science 4, no. 2 (2024): 100380.	WOS:001102060200001	https://www.sciencedirect.com/science/article/pii/S2666914523001124?via=ihub	https://www.webofscience.com/wos/woscc/full-record/WOS:001102060200001	4,6	8	0
15	C.-I. Adomnitei, C.-E. Lesanu, A. Done, E. Coca, A. Lavric, "Phased Antenna Arrays: Software Defined Radio and Artificial Intelligence: Advancing LEO Satellite Communications," Advances in Electrical and Computer Engineering, vol. 24, no. 4, pp. 57-64, 2024. doi:10.4316/AECE.2024.044006	WOS:001415806000006	https://www.aee.ro/abstractplus.php?year=2024&number=4&article=6	https://www.webofscience.com/wos/woscc/full-record/WOS:001415806000006	0,7	5	0
16	Rossen Mihaylov, Hazarbassanov, Laith Al-Zubaidi, Zahraa Mosa, Hazem Abdul Mutal, Alexandru Lavric, Hidenori Takahashi, Suphi Taner, Siamak Yousefi, Ali Al-Timemy: Device antagonist hybrid fusion model for suspect keratoconus detection. Invest. Ophthalmol. Vis. Sci. 2023;64(9):PB0012.	WOS:001052064700005	https://jovs.arvojournals.org/article.aspx?articleid=2791248	https://www.webofscience.com/wos/woscc/full-record/WOS:001052064700005	0	9	0

doar

Nr. crt.	Date identificare Articol	Cod WOS	Link Articol Jurnal	Link WOS	Factor de Impact	Număr de autori	Indexare Q1/Q2
17	Rossen M Hazarbasanov, Laith Al-Zubaidi, Zahraa M Mosa, Hazem Abdul Mutal, Alexandru Lavric, Hidenori Takahashi, Tanerî Tanerî, Siamak Yousefi, Ali Al-Timemy: The suitability of color histogram-based features for keratoconus detection from corneal thickness with and neural networks.. Invest. Ophthalmol. Vis. Sci. 2023;64(8):1089.	WOS:001053758303030	https://ojs.arvojournals.org/article.aspx?articleid=2790356	https://www.webofscience.com/wos/woscc/full-record/WOS:001053758303030	0	9	0
18	Al-Timemy, Ali H., Laith Alzubaidi, Zahraa M. Mosa, Hazem Abdelmotaal, Nebbras H. Ghaeb, Alexandru Lavric, Rossen M. Hazarbasanov, Hidenori Takahashi, Yuntong Gu, and Siamak Yousefi. 2023. "A Deep Feature Fusion of Improved Suspected Keratoconus Detection with Deep Learning" Diagnostics 13, no. 10: 1689. https://doi.org/10.3390/diagnostics13101689	WOS:000997803100001	https://www.mdpi.com/2075-4418/13/10/1689	https://www.webofscience.com/wos/woscc/full-record/WOS:000997803100001	3.3	10	1
19	Abdelmotaal H. Hazarbasanov R. Tanerî S. Al-Timemy A. Lavric A. Takahashi H. Yousefi S. Detecting dry eye from ocular surface videos based on deep learning. The ocular surface. 2023 Apr 1;28:90-98. doi.org/10.1016/j.ito.2023.01.005	WOS:000946555200001	https://www.sciencedirect.com/science/article/abs/pii/S1542012423000113?via%3Dihub	https://www.webofscience.com/wos/woscc/full-record/WOS:000946555200001	5.6	7	1
20	Matfei, Alexandru A., Alexandru Lavric, Adrian I. Petrariu, and Valentin Popa. 2023. "Massive Data Storage Solution for IoT Devices Using Blockchain Technologies" Sensors 23, no. 3: 1570. https://doi.org/10.3390/s23031570	WOS:000931900200001	https://www.mdpi.com/1424-8220/23/3/1570	https://www.webofscience.com/wos/woscc/full-record/WOS:000931900200001	3.5	4	1
21	Anchidin, Liliana, Alexandru Lavric, Partemie-Marian Mutescu, Adrian I. Petrariu, and Valentin Popa. 2023. "The Design and Development of a Microstrip Antenna for Internet of Things Applications" Sensors 23, no. 3: 1062. https://doi.org/10.3390/s23031062	WOS:000930167800001	https://www.mdpi.com/1424-8220/23/3/1062	https://www.webofscience.com/wos/woscc/full-record/WOS:000930167800001	3.5	5	1
22	Alvasseri, Zaid Abdi Alkareem, Ali H. Al-Timemy, Ammar Kamel Abasi, Alexandru Lavric, Husam Jasim Mohammed, Hidenori Takahashi, Jose Arthur Milhomens Filho, Mauro Campos, Rossen M. Hazarbasanov, and Siamak Yousefi. 2022. "A Hybrid Artificial Intelligence Model for Detecting Keratoconus" Applied Sciences 12, no. 24: 12979. https://doi.org/10.3390/app122412979	WOS:000900341900001	https://www.mdpi.com/2076-3417/12/24/12979	https://www.webofscience.com/wos/woscc/full-record/WOS:000900341900001	2.5	10	1
23	Hazarbasanov, Rossen M., Zaid Abdi Alkareem Alvasseri, Ali Al-Timemy, Alexandru Lavric, Ammar Kamel Abasi, Hidenori Takahashi, Jose Arthur Milhomens Filho, Mauro Campos, and Siamak Yousefi. "Detecting keratoconus on two different populations using an unsupervised hybrid artificial intelligence model." Investigative Ophthalmology & Visual Science 63, no. 7 (2022): 2088-F0077.	WOS:000844401306133	https://iovs.arvojournals.org/article.aspx?articleid=2782316	https://www.webofscience.com/wos/woscc/full-record/WOS:000844401306133	0	9	0

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24	Al-Timemy, Ali, Laith Al-Zubaidi, Nebras Ghaeb, Hidenori Takahashi, Alexandru Lavric, Zahraa Mosa, Rossen M. Hazarbasanov, Zaid Abdi Alkareem Alyasseri, and Siamak Yousefi. "A device-agnostic deep learning model for detecting keratoconus based on anterior elevation corneal maps." <i>Investigative Ophthalmology & Visual Science</i> 63, no. 7 (2022): 2101-F0090.	WOS:000844401306146	https://ovs.arvojournals.org/article.aspx?articleid=2782738	https://www.webofscience.com/wos/woscc/full-record/WOS:000844401306146	0	9	0
25	Raboaca, Maria Simona, Maria Mehedean, Andrei Musat, Andrei Viziteu, Alexandru Creanga, Valentin Viad, Constantin Filote, Mihai Retă, and Alexandru Lavric. "An Overview and Performance Evaluation of Open Charge Point Protocol From an Electromobility Concept Perspective." <i>International Journal of Energy Research</i> 46, no. 2 (September 13, 2021): 523-43. https://doi.org/10.1002/et.7206 .	WOS:000695182800001	https://onlinelibrary.wiley.com/doi/10.1002/et.7206	https://www.webofscience.com/wos/woscc/full-record/WOS:000695182800001	4.2	9	1
26	Lavric, Alexandru, Adrian I. Petriaru, Partenie-Marian Murescu, Eugen Coca, and Valentin Popa. 2022. "Internet of Things Concept in the Context of the COVID-19 Pandemic: A Multi-Sensor Application Design" <i>Sensors</i> 22, no. 2: 503. https://doi.org/10.3390/s22020503	WOS:000749912500001	https://www.mdpi.com/1424-8220/22/2/503	https://www.webofscience.com/wos/woscc/full-record/WOS:000749912500001	3.5	5	1
27	Petriaru, Adrian I., Eugen Coca, and Alexandru Lavric. 2021. "Large-Scale Internet of Things Multi-Sensor Measurement Node for Smart Grid Enhancement" <i>Sensors</i> 21, no. 23: 8093. https://doi.org/10.3390/s21238093	WOS:000735114600001	https://www.mdpi.com/1424-8220/21/23/8093	https://www.webofscience.com/wos/woscc/full-record/WOS:000735114600001	3.5	3	1
28	Al-Timemy, Ali H., Zahraa M. Mosa, Zaid Alyasseri, Alexandru Lavric, Marcelo M. Lui, Rossen M. Hazarbasanov, and Siamak Yousefi. "A Hybrid Deep Learning Construct for Detecting Keratoconus From Corneal Maps." <i>Translational vision science & technology</i> 10, no. 14 (2021):doi.org/10.1167/tvst.10.14.16.	WOS:000733882600001	https://tvst.arvojournals.org/article.aspx?articleid=2778165	https://www.webofscience.com/wos/woscc/full-record/WOS:000733882600001	2.6	8	1
29	Lavric, Alexandru, Adrian I. Petriaru, Stefan Havriliuc, and Eugen Coca. "Glaucoma Detection by Artificial Intelligence: GlauNet A Deep Learning Framework." In 2021 International Conference on e-Health and Bioengineering (EHB), pp. 1-4. doi: 10.1109/EHB52898.2021.9657622. IEEE, 2021. Translational vision science & technology	WOS:000802227900083	https://ieeexplore.ieee.org/document/9657622	https://www.webofscience.com/wos/woscc/full-record/WOS:000802227900083	0.25	4	0
30	Maftel, A.A., Murescu, P. M., Popa, V., Petriaru, A.I. and Lavric, A. 2021, November. Internet of Things Healthcare Application: a Blockchain and LoRa Approach. In 2021 International Conference on e-Health and Bioengineering (EHB) (pp. 1-4).DOI:10.1109/EHB52898.2021.9657733.	WOS:000802227900193	https://ieeexplore.ieee.org/document/9657733	https://www.webofscience.com/wos/woscc/full-record/WOS:000802227900193	0.25	5	0

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Nr. crt.	Date Identificare Articol	Cod WOS	Link Articol Jurnal	Link WOS	Factor de Impact	Număr de autori	Indexare Q1/Q2
31	A. I. Petariu, P.-M. Murescu, E. Coca, A. Lavric, "A Study on LoRa Signal Propagation Models in Urban Environments for Large-scale Networks Deployment." <i>Advances in Electrical and Computer Engineering</i> , vol. 21, no. 4, pp. 61-68, 2021. doi:10.4316/AECE.2021.04007	WOS:000725107100007	https://www.aee.ro/ojs/abstractplus.php?year=2021&number=4&article=7	https://www.webofscience.com/wos/woscc/full-record/WOS:000725107100007	0.7	4	0
32	Al-Timemy, Ali H., Rossen M., Hazarbassanov, Zahraa M., Mosa, Zaid Alyasser, Alexandru Lavric, Claudio Alan Oliveira da Rosa, Camila Palmeira Griz, Hidenori Takahashi, and Siamak Yousefi, "A hybrid deep learning framework for keratoconus detection based on anterior and posterior corneal maps." <i>Investigative Ophthalmology & Visual Science</i> 62, no. 11 (2021).	WOS:000720324200047	https://iovs.arvojournals.org/article.aspx?articleid=277668	https://www.webofscience.com/wos/woscc/full-record/WOS:000720324200047	0	9	0
33	Takahashi, Hidenori, Ali H. Al-Timemy, Zahraa M. Mosa, Zaid Alyasser, Alexandru Lavric, Jose Arthur Pinto Milhomens Filho, Kentaro Yuda, Rossen M. Hazarbassanov, and Siamak Yousefi, "Detecting keratoconus severity from corneal data of different populations with machine learning." <i>Investigative Ophthalmology & Visual Science</i> 62, no. 8 (2021).	WOS:000690761400303	https://iovs.arvojournals.org/article.aspx?articleid=277345	https://www.webofscience.com/wos/woscc/full-record/WOS:000690761400303	0.0	9	0
34	Rossen M Hazarbassanov, Alexandru Lavric, Jose Arthur Pinto Milhomens Filho, Liliana Anchidin, Valentin Popa, Ali H. Al-Timemy, Zaid Alyasser, Hidenori Takahashi, Siamak Yousefi, Evaluation of keratoconus detection from elevation, topography and pachymetry raw data using machine learning. <i>Invest. Ophthalmol. Vis. Sci.</i> 2021;62(8):2154.	WOS:000690761400312	https://iovs.arvojournals.org/article.aspx?articleid=277393	https://www.webofscience.com/wos/woscc/full-record/WOS:000690761400312	0	9	0
35	Lavric, A., Anchidin, L., Popa, V., Al-Timemy, A. H., Alyasser, Z., Takahashi, H., Yousefi, S., & Hazarbassanov, R. M. (2021). Keratoconus severity detection from elevation, topography and pachymetry raw data using a machine learning approach. <i>IEEE Access</i> , 9, 84344–84355. https://doi.org/10.1109/access.2021.3086021	WOS:000674122000001	https://ieeexplore.ieee.org/document/9446142	https://www.webofscience.com/wos/woscc/full-record/WOS:000674122000001	3.6	8.00	1
36	Lavric, A., Popa, V., Takahashi, H., Hazarbassanov, R. M., & Yousefi, S. (2021). Association between visual field damage and corneal structural parameters. <i>Scientific Reports</i> , 11(1), 10732. https://doi.org/10.1038/s41598-021-90298-0	WOS:000659111400004	https://www.nature.com/articles/s41598-021-90298-0	https://www.webofscience.com/wos/woscc/full-record/WOS:000659111400004	3.9	5.00	1
37	Murescu, Partenie-Marian, Adrian Ioan Petariu, and Alexandru Lavric, "Wireless communications for IoT: Energy efficiency survey." In 2021 12th International Symposium on Advanced Topics in Electrical Engineering (ATEE), pp. 1-4. IEEE, 2021. WOS:000676164800160.	WOS:000676164800160	https://ieeexplore.ieee.org/document/9425330	https://www.webofscience.com/wos/woscc/full-record/WOS:000676164800160	0.25	3	0
38	PEIRARIU, A.I. and LAVRIC, A., 2021, March, "Sifox wireless communication enhancement for internet of things": A study. In 2021 12th International Symposium on Advanced Topics in Electrical Engineering (ATEE) (pp. 1-4). IEEE, WOS:000676164800091.	WOS:000676164800091	https://ieeexplore.ieee.org/document/9425213	https://www.webofscience.com/wos/woscc/full-record/WOS:000676164800091	0.25	2	0

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Nr. crt.	Date Identificare Articol	Cod WOS	Link Articol Jurnal	Link WOS	Factor de Impact	Număr de autori	Indexare Q1/Q2
39	Lavric, Alexandru, Adrian I. Petariu, and Liliana Anchiidin. "Internet of Things Software Defined Radio Technology for LoRaWAN Wireless Communication: A Survey." In 2021 12th International Symposium on Advanced Topics in Electrical Engineering (ATEE), pp. 1-4. WOS:000676164800052. IEEE, 2021.	WOS:000676164800052	https://ieeexplore.ieee.org/document/9425135	https://www.webofscience.com/wos/woscc/full-record/WOS:000676164800052	0.25	3	0
40	Petrariu, A. I., Lavric, A., Coca, E., & Popa, V. (2020). Hybrid Power Management System for LoRa Communication Using Renewable Energy. IEEE Internet of Things Journal, 8(10), 8423-8436 [WOS:000648206800048].	WOS:000648206800048	https://ieeexplore.ieee.org/document/9302611	https://www.webofscience.com/wos/woscc/full-record/WOS:000648206800048	8.9	4	1
41	Lavric, Alexandru, Adrian I. Petariu, Eugen Coca, and Valentin Popa. 2020. "LoRa Traffic Generator Based on Software Defined Radio Technology for LoRa Modulation Orthogonality Analysis: Empirical and Experimental Evaluation" Sensors 20, no. 15, 4123.	WOS:000567661100001	https://www.mdpi.com/1424-8220/20/15/4123	https://www.webofscience.com/wos/woscc/full-record/WOS:000567661100001	3.5	4	1
42	A. Lavric, A. I. Petariu, E. Coca and V. Popa. "LoRaWAN Analysis from a High-Density Internet of Things Perspective." 2020 International Conference on Development and Application Systems (IDAS). Suceava, Romania, 2020. pp. 94-97. IEEE. WOS:000589776100017.	WOS:000589776100017	https://ieeexplore.ieee.org/document/9108921	https://www.webofscience.com/wos/woscc/full-record/WOS:000589776100017	0.25	4	0
43	A. Lavric, V. Popa, H. Takahashi and S. Yousefi, "Detecting Keratoconus From Corneal Imaging, Data Using Machine Learning," in IEEE Access, vol. 8, pp. 149113-149121, 2020	WOS:000562071500001	https://ieeexplore.ieee.org/document/9165721	https://www.webofscience.com/wos/woscc/full-record/WOS:000562071500001	3.6	4	1
44	A. I. Petariu, A. Lavric and E. Coca, "LoRaWAN Gateway: Design, Implementation and Testing in Real Environment," 2019 IEEE 25th International Symposium for Design and Technology in Electronic Packaging (SIITME), Cluj-Napoca, Romania, 2019, pp. 49-53	WOS:000564733700007	https://ieeexplore.ieee.org/document/8990791	https://www.webofscience.com/wos/woscc/full-record/WOS:000564733700007	0.25	3	0
45	A. I. Petariu, A. Lavric and E. Coca, "Renewable Energy Powered LoRa-based IoT Multi Sensor Node," 2019 IEEE 25th International Symposium for Design and Technology in Electronic Packaging (SIITME), Cluj-Napoca, Romania, 2019, pp. 94-97	WOS:000564733700018	https://ieeexplore.ieee.org/document/8990693	https://www.webofscience.com/wos/woscc/full-record/WOS:000564733700018	0.25	3	0
46	Lavric, A., Popa, V., David, C. and Pavel, C.C., 2019, June. Keratoconus Detection Algorithm using Convolutional Neural Networks: Challenges. In 2019 11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) (pp. 1-4). IEEE	WOS:000569985400121	https://ieeexplore.ieee.org/document/9042100	https://www.webofscience.com/wos/woscc/full-record/WOS:000569985400121	0.25	4	0

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Nr. crt.	Date Identificare Articol	Cod WOS	Link Articol Jurnal	Link WOS	Factor de Impact	Număr de autori	Indexare Q1/Q2
47	Lavric, A., Răboacă, M.S., Nasture, A.M. and Filote, C., 2019, June. Proton-Exchange Membrane Fuel Cells: The Renewable Energy Era. In 2019 11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI) (pp. 1-4). IEEE.	WOS:000569985400099	https://ieeexplore.ieee.org/document/9042066	https://www.webofscience.co.m/wos/woscc/full-record/WOS:000569985400099	0.25	4	0
48	Răboacă, Maria Simona, Gheorghe Badea, Adrian Enache, Constantin Filote, Gabriel Răsoi, Mihai Rata, Alexandru Lavric, and Raluca-Andreea Felisechi. 2019. "Concentrating Solar Power Technologies" <i>Energies</i> 12, no. 6	WOS:000464494700009	https://www.mdpi.com/1996-1073/12/6/1048	https://www.webofscience.co.m/wos/woscc/full-record/WOS:000464494700009	3.2	8	1
49	LAVRIC, Alexandru; PETRARIU, Adrian I.; POPA, Valentin. Long range sigfox communication, protocol scalability analysis under large-scale, high-density conditions. IEEE Access, 2019, 7: 35816-35825, WOS:000464095900001.	WOS:000464095900001	https://ieeexplore.ieee.org/document/8660398	https://www.webofscience.co.m/wos/woscc/full-record/WOS:000464095900001	4.098	3	1
50	Lavric, Alexandru. "LoRa (long-range) high-density sensors for internet of things." <i>Journal of Sensors</i> 2019 (2019). WOS:000460899100001	WOS:000460899100001	https://onlinelibrary.wiley.com/doi/10.1155/2019/3502987	https://www.webofscience.co.m/wos/woscc/full-record/WOS:000460899100001	1.1	1	1
51	Lavric, Alexandru, Valentin, Popa, KeratoDetect: KeratoDetects. Computational Intelligence and Neuroscience, 2019, 8162567, 9 pages, 2019. https://doi.org/10.1155/2019/8162567 , 89 citări ISI WOS	WOS:000482138400001	https://onlinelibrary.wiley.com/doi/10.1155/2019/8162567	https://www.webofscience.co.m/wos/woscc/full-record/WOS:000482138400001	2.154	2	1
52	Alexandru Lavric and Adrian Ioan Petrarui, High-Density Low Power Wide Area Networks for IoT Applications ECAI 2018 - International Conference -Electronics, Computers and Artificial Intelligence, pp. 1-4, 2018	WOS:000467734100067	https://ieeexplore.ieee.org/document/8678997	https://www.webofscience.co.m/wos/woscc/full-record/WOS:000467734100067	0.25	2	0
53	A. I. Petrarui, A. Lavric and E. Coca, "VIC for vehicular communications: A multiple input multiple output (MIMO) approach," 2018 International Conference on Development and Application Systems (DAS), Suceava, 2018, pp. 134-137. doi: 10.1109/DAS.2018.8396085	WOS:000467080400025	https://ieeexplore.ieee.org/document/8396085	https://www.webofscience.co.m/wos/woscc/full-record/WOS:000467080400025	0.25	3	0
54	A. Lavric and A. I. Petrarui, "LoRaWAN communication protocol: The new era of IoT," 2018 International Conference on Development and Application Systems (DAS), Suceava, Romania, 2018, pp. 74-77.	WOS:000467080400014	https://ieeexplore.ieee.org/document/8396074	https://www.webofscience.co.m/wos/woscc/full-record/WOS:000467080400014	0.25	2	0
55	Petrariu, A.I., Lavric, A. and Coca, E., 2018. Design of an High Frequency RFID Multi-Loop Antenna for Applications in Metallic Environments. <i>Advances in Electrical and Computer Engineering</i> , 18(2), pp.35-41. WOS:000434245000005	WOS:000434245000005	https://www.aecer.org/abstractplus.php?year=2018&number=2&article=5	https://www.webofscience.co.m/wos/woscc/full-record/WOS:000434245000005	0.7	3	0

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Nr. crt.	Date identificare Articol	Cod WOS	Link Articol Jurnal	Link WOS	Factor de Impact	Număr de autori	Indexare Q1/Q2
56	Alexandru Lavric and Valentin Popa, "Performance Evaluation of LoRaWAN Communication Scalability in Large-Scale Wireless Sensor Networks." <i>Wireless Communications and Mobile Computing</i> , vol. 2018, Article ID 6730719, 9 pages 2018. https://doi.org/10.1155/2018/6730719 . WOS:00041934600001	WOS:000441934600001	https://onlinelibrary.wiley.com/doi/10.1155/2018/6730719	https://www.webofscience.com/wos/woscc/full-record/WOS:000419346000001	0.869	2	0
57	Alexandru Lavric, Valentin Popa, „A LoRaWAN: Long Range Wide Area Networks Study”, 11-th International Conference on Electromechanical and Power Systems (SIELMEN 2017), pp. 435-438, DOI: 10.1109/SIELMEN.2017.8123360, (IEEE).	WOS:000426906000079	range wide area networks study IEEE Conference Publication IEEE	https://www.webofscience.com/wos/woscc/full-record/WOS:000426906000007	0.25	2	0
58	Alexandru Lavric, Valentin Popa, LoRa Wide-Area Networks from an Internet of Things Perspective, ECAL 2017 - International Conference - 9th Edition Electronics, Computers and Artificial Intelligence, pp.1-4, 2017, DOI: 10.1109/ECAL.2017.8166397	WOS:000425865900013	https://ieeexplore.ieee.org/document/8166397	https://www.webofscience.com/wos/woscc/full-record/WOS:000425865900001	0.25	2	0
59	Alexandru Lavric, Valentin Popa, Internet of Things and LoRa Low-Power Wide-Area Networks Challenges, ECAL 2017 - International Conference - 9th Edition Electronics, Computers and Artificial Intelligence, pp.1-4, 2017, DOI: 10.1109/ECAL.2017.8166405, WOS: WOS:000425865900021.	WOS:000425865900021	https://ieeexplore.ieee.org/document/8166405	https://www.webofscience.com/wos/woscc/full-record/WOS:000425865900002	0.25	2	0
60	Lavric, Alexandru, and Valentin Popa, Performance evaluation of WSN topology control algorithms that can be used in the Smart City concept, <i>Electronics, Computers and Artificial Intelligence (ECAL)</i> , 2015 7th International Conference on, IEEE, pp. 5-8 2015, DOI: 10.1109/ECAL.2015.7301242, WOS:000370971100107.	WOS:000370971100107	https://ieeexplore.ieee.org/document/7301242	https://www.webofscience.com/wos/woscc/full-record/WOS:000370971100107	0.25	2	0
61	Alexandru Lavric, Valentin Popa, "Semi-Anechoic Chamber Power Measurements of a WSN transceiver for Smart City Concept Validation", <i>International Symposium on Electronics and Telecommunications 2014 Eleventh Edition</i> , Timisoara, pp.63-66, 2014 (Thomson Reuters ISI Conference Proceedings Citation Index), Accession Number: WOS:00036663330001	WOS:000366633300015	https://ieeexplore.ieee.org/document/7010748	https://www.webofscience.com/wos/woscc/full-record/WOS:000366633300001	0.25	2	0
62	Lavric Alexandru, Popa Valentin, Sfichi Stefan, "Street Lighting control system based on large-scale WSN: A step towards a Smart City", <i>Electrical and Power Engineering (EPE)</i> , 2014 International Conference and Exposition on, pp.673-676, 16-18 Oct. 2014, (Thomson Reuters ISI Conference Proceedings Citation Index), Accession Number: WOS:000353565300122.	WOS:000353565300122	https://ieeexplore.ieee.org/document/6969994/	https://www.webofscience.com/wos/woscc/full-record/WOS:000353565300122	0.25	2	0
63	Alexandru Lavric, Valentin Popa, Stefan Sfichi, "Adaptive Channel Selection Algorithm for a Large Scale Street Lighting Control ZigBee Network in the Presence of WLAN Interference," <i>Elektronika ir Elektrotechnika Journal</i> , Vol. 19, Nr. 9, pp. 105-109, 2013	WOS:000330687100023	https://ejournal.ktu.lt/index.php/elt/article/view/5659	https://www.webofscience.com/wos/woscc/full-record/WOS:000330687100002	0.684	3	0
64	Alexandru Lavric, Valentin Popa, „The Hardware Design of a Street Lighting Control with Vehicle and Malfunction Detection.” <i>The 8th International Symposium on Advanced Topics In Electrical Engineering Bucharest May 23-25, pp.1-4, 2013</i>	WOS:000332928500186	https://ieeexplore.ieee.org/document/6563532	https://www.webofscience.com/wos/woscc/full-record/WOS:000332928500186	0.25	2	0

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65	Alexandru LAVRIC, Valentin POPA, "Performance Evaluation of Topology Control Algorithms Performance Evaluation of Topology Control Algorithms that can be integrated into a Street Lighting Control Sensor Network", RoEdu International Conference, pp. 111-114, 2013, DOI: 10.1109/RoEduNet.2013.6511741, Accession Number: WOS:00032055810001	WOS:000320558100018	https://ieeexplore.ieee.org/document/6511741	https://www.webofscience.com/wos/woscc/full-record/WOS:000320558100018	0.25	2	0
66	D. Simion, M.F. Ursuleanu, A. Graur, A.D. Potora, A. Lavric, "Efficiency Consideration for Data Packets Encryption within Wireless VPN Tunneling for Video Streaming", International Journal of Computers, Communications & Control (IJCCC), pp. 112-122, Vol. 8, nr.1, 2013, ISSN: 1841-9844	WOS:000312043600015	https://univagora.ro/jour/index.php/ijcc/article/view/177	https://www.webofscience.com/wos/woscc/full-record/WOS:000312043600015	1.9	5	0
67	L. Finis, V. Popa, A. Lavric, C. Males, S. Stichi, "Performance Evaluation of 13.56 MHz RFID Antenna Operating in Metallic Environments", 20th Telecommunications forum TELFOR 2012, Serbia, Belgrade, November 20-22, pp. 1210-1213, DOI: 10.1109/TELFOR.2012.6419432, IEEE, 2012, (WOS:000316626800290)	WOS:000316626800290	https://ieeexplore.ieee.org/document/6419432	https://www.webofscience.com/wos/woscc/full-record/WOS:000316626800290	0.25	5	0
68	Males Codrin, Popa Valentin, Lavric Alexandru, Finis Ilie, "Performance Evaluation of Power Line Communications over Power Transformers", 2012 20th Telecommunications Forum (TELFOR), pp. 627-630, 2012 WOS: WOS:000316626800152, DOI:10.1109/TELFOR.2012.6419288, (ISI)	WOS:000316626800152	https://ieeexplore.ieee.org/document/6419288	https://www.webofscience.com/wos/woscc/full-record/WOS:000316626800152	0.25	3	0
69	Daniel Simion, Adrian Graur, Lavric Alexandru, Ali Haider Mahdi Stichi Stefan, "An Optimize Particle Swarm Optimization Routing Algorithm for Data Transmission in Cognitive Radio Networks", IEEE Conference, pp. 213-216, 2012, DOI: 10.1109/SETC.2012.6408148, Accession Number: WOS:000318702700049	WOS:000318702700049	https://ieeexplore.ieee.org/document/6408148	https://www.webofscience.com/wos/woscc/full-record/WOS:000318702700049	0.25	5	0
70	L. Finis, V. Popa and A. Lavric, "A mathematical approach of a HF RFID multi loop antenna for metallic environments", 2012 International Conference and Exposition on Electrical and Power Engineering, Iasi, Romania, 2012, pp. 679-682, doi: 10.1109/ICEPE.2012.6463854	WOS:000324685300123	https://ieeexplore.ieee.org/document/6463854	https://www.webofscience.com/wos/woscc/full-record/WOS:000324685300123	0.25	3	0
71	Alexandru Lavric, Valentin Popa, Ilie Finis, "The Design of a Street Lighting Monitoring and Control System", Conference Electrical and Power Engineering EPE, pp. 314-317, 2012, DOI: 10.1109/ICEPE.2012.6463912, Accession Number: WOS:000324685300056	WOS:000324685300056	https://ieeexplore.ieee.org/document/6463912	https://www.webofscience.com/wos/woscc/full-record/WOS:000324685300056	0.25	3	0
72	Alexandru Lavric, Valentin Popa, Ilie Finis, Adrian M. Gaitan, Adrian I. Petariu, "Packet Error Rate Analysis of IEEE 802.15.4 under 802.11g and Bluetooth Interferences", 9th International Conference on Communications, COMM 2012, pp. 259-262, 2012, DOI: 10.1109/ICComm.2012.6262616	WOS:000307808200060	https://ieeexplore.ieee.org/document/6262616	https://www.webofscience.com/wos/woscc/full-record/WOS:000307808200060	0.25	5	0
73	Adrian-Mihai Gaitan, Valentin Popa, Vasile-Gheorghita Gaitan, Adrian-Ioan Petariu, Alexandru Lavric, Simona-Anda Gherasim, "RFID Network Traffic Analysis Based On An Empirical Model", 9th International Conference on Communications, COMM 2012, pp. 201-204, 2012, DOI: 10.1109/ICComm.2012.6262549	WOS:000307808200046	https://ieeexplore.ieee.org/document/6262549	https://www.webofscience.com/wos/woscc/full-record/WOS:000307808200046	0.25	6	0
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