

# Leandros A Maglaras

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

125  
papers

2,842  
citations

28  
h-index

51  
g-index

156  
ext. papers

3,910  
ext. citations

2.7  
avg, IF

6.21  
L-index

#	Paper	IF	Citations
125	Security and Privacy in Fog Computing: Challenges. <i>IEEE Access</i> , <b>2017</b> , 5, 19293-19304	3.5	302
124	Blockchain Technologies for the Internet of Things: Research Issues and Challenges. <i>IEEE Internet of Things Journal</i> , <b>2019</b> , 6, 2188-2204	10.7	289
123	Deep learning for cyber security intrusion detection: Approaches, datasets, and comparative study. <i>Journal of Information Security and Applications</i> , <b>2020</b> , 50, 102419	3.5	194
122	Authentication Protocols for Internet of Things: A Comprehensive Survey. <i>Security and Communication Networks</i> , <b>2017</b> , 2017, 1-41	1.9	137
121	Security for 4G and 5G cellular networks: A survey of existing authentication and privacy-preserving schemes. <i>Journal of Network and Computer Applications</i> , <b>2018</b> , 101, 55-82	7.9	126
120	. <i>IEEE Access</i> , <b>2020</b> , 8, 32031-32053	3.5	107
119	DeepCoin: A Novel Deep Learning and Blockchain-Based Energy Exchange Framework for Smart Grids. <i>IEEE Transactions on Engineering Management</i> , <b>2020</b> , 67, 1285-1297	2.6	93
118	Internet of Things for the Future of Smart Agriculture: A Comprehensive Survey of Emerging Technologies. <i>IEEE/CAA Journal of Automatica Sinica</i> , <b>2021</b> , 8, 718-752	7	89
117	. <i>IEEE Communications Surveys and Tutorials</i> , <b>2017</b> , 19, 3015-3045	37.1	85
116	Social Internet of Vehicles for Smart Cities. <i>Journal of Sensor and Actuator Networks</i> , <b>2016</b> , 5, 3	3.8	75
115	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2016</b> , 12, 2236-2246	11.9	74
114	Cyber security of critical infrastructures. <i>ICT Express</i> , <b>2018</b> , 4, 42-45	4.9	71
113	Blockchain and Random Subspace Learning-Based IDS for SDN-Enabled Industrial IoT Security. <i>Sensors</i> , <b>2019</b> , 19,	3.8	65
112	Intrusion detection in SCADA systems using machine learning techniques <b>2014</b> ,		58
111	A Novel Hierarchical Intrusion Detection System Based on Decision Tree and Rules-Based Models <b>2019</b> ,		57
110	Human behaviour as an aspect of cybersecurity assurance. <i>Security and Communication Networks</i> , <b>2016</b> , 9, 4667-4679	1.9	53
109	Route Optimization of Electric Vehicles Based on Dynamic Wireless Charging. <i>IEEE Access</i> , <b>2018</b> , 6, 42551-42565	3.4	52

108	A systematic review of data protection and privacy preservation schemes for smart grid communications. <i>Sustainable Cities and Society</i> , <b>2018</b> , 38, 806-835	10.1	51
107	Combining ensemble methods and social network metrics for improving accuracy of OCSVM on intrusion detection in SCADA systems. <i>Journal of Information Security and Applications</i> , <b>2016</b> , 30, 15-26	3.5	51
106	RDTIDS: Rules and Decision Tree-Based Intrusion Detection System for Internet-of-Things Networks. <i>Future Internet</i> , <b>2020</b> , 12, 44	3.3	49
105	Integrated OCSVM mechanism for intrusion detection in SCADA systems. <i>Electronics Letters</i> , <b>2014</b> , 50, 1935-1936	1.1	38
104	DeliveryCoin: An IDS and Blockchain-Based Delivery Framework for Drone-Delivered Services. <i>Computers</i> , <b>2019</b> , 8, 58	1.9	36
103	Vulnerability Analysis of Network Scanning on SCADA Systems. <i>Security and Communication Networks</i> , <b>2018</b> , 2018, 1-21	1.9	34
102	Authentication and Authorization for Mobile IoT Devices Using Biofeatures: Recent Advances and Future Trends. <i>Security and Communication Networks</i> , <b>2019</b> , 2019, 1-20	1.9	32
101	Social Clustering of Vehicles Based on Semi-Markov Processes. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 318-332	6.8	31
100	A novel Intrusion Detection System against spoofing attacks in connected Electric Vehicles. <i>Array</i> , <b>2020</b> , 5, 100013	4.7	28
99	HEART-IS: A novel technique for evaluating human error-related information security incidents. <i>Computers and Security</i> , <b>2019</b> , 80, 74-89	4.9	28
98	Authentication schemes for smart mobile devices: threat models, countermeasures, and open research issues. <i>Telecommunication Systems</i> , <b>2020</b> , 73, 317-348	2.3	28
97	The industrial control system cyber defence triage process. <i>Computers and Security</i> , <b>2017</b> , 70, 467-481	4.9	25
96	Distributed clustering in vehicular networks <b>2012</b> ,		25
95	OCSVM model combined with K-means recursive clustering for intrusion detection in SCADA systems <b>2014</b> ,		19
94	New measures for characterizing the significance of nodes in wireless ad hoc networks via localized path-based neighborhood analysis. <i>Social Network Analysis and Mining</i> , <b>2012</b> , 2, 97-106	2.2	19
93	Internet of Cloud: Security and Privacy Issues. <i>Studies in Big Data</i> , <b>2018</b> , 271-301	0.9	15
92	A Holistic Cybersecurity Maturity Assessment Framework for Higher Education Institutions in the United Kingdom. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 3660	2.6	14
91	Blockchain and Its Role in the Internet of Things. <i>Springer Proceedings in Business and Economics</i> , <b>2019</b> , 1029-1038	0.2	12

90	Cooperative approaches for dynamic wireless charging of Electric Vehicles in a smart city <b>2014</b> ,		12
89	Deep Learning Techniques for Cyber Security Intrusion Detection : A Detailed Analysis		12
88	. <i>IEEE Access</i> , <b>2021</b> , 9, 138509-138542	3.5	12
87	Evaluating information security core human error causes (IS-CHEC) technique in public sector and comparison with the private sector. <i>International Journal of Medical Informatics</i> , <b>2019</b> , 127, 109-119	5.3	11
86	Estimating the Relative Speed of RF Jammers in VANETs. <i>Security and Communication Networks</i> , <b>2019</b> , 2019, 1-18	1.9	11
85	Employee Perspective on Information Security Related Human Error in Healthcare: Proactive Use of IS-CHEC in Questionnaire Form. <i>IEEE Access</i> , <b>2019</b> , 7, 102087-102101	3.5	10
84	Measuring the Risk of Cyber Attack in Industrial Control Systems		10
83	Attribution of Cyber Attacks on Industrial Control Systems. <i>EAI Endorsed Transactions on Industrial Networks and Intelligent Systems</i> , <b>2016</b> , 3, 151158	1.5	10
82	EASBF: An efficient authentication scheme over blockchain for fog computing-enabled internet of vehicles. <i>Journal of Information Security and Applications</i> , <b>2021</b> , 59, 102802	3.5	10
81	Edge-IIoTset: A New Comprehensive Realistic Cyber Security Dataset of IoT and IIoT Applications for Centralized and Federated Learning. <i>IEEE Access</i> , <b>2022</b> , 1-1	3.5	10
80	An introduction to cyber peacekeeping. <i>Journal of Network and Computer Applications</i> , <b>2018</b> , 114, 70-87	7.9	9
79	CYRAN <b>2018</b> , 622-637		9
78	Threats, Countermeasures and Attribution of Cyber Attacks on Critical Infrastructures. <i>EAI Endorsed Transactions on Security and Safety</i> , <b>2018</b> , 5, 155856	1.3	9
77	Use Of Smartphones for Ensuring Vulnerable Road User Safety through Path Prediction and Early Warning: An In-Depth Review of Capabilities, Limitations and Their Applications in Cooperative Intelligent Transport Systems. <i>Sensors</i> , <b>2020</b> , 20,	3.8	8
76	Security and Privacy Issues and Solutions for Fog <b>2020</b> , 353-374		8
75	Cyberterrorism targeting the general public through social media. <i>Security and Communication Networks</i> , <b>2016</b> , 9, 2864-2875	1.9	8
74	Exploiting vehicular communications for reducing CO2 emissions in urban environments <b>2013</b> ,		8
73	An assessment of the application of IT security mechanisms to industrial control systems. <i>International Journal of Internet Technology and Secured Transactions</i> , <b>2017</b> , 7, 144	0.6	8

72	A Novel Intrusion Detection Mechanism for SCADA systems which Automatically Adapts to Network Topology Changes. <i>EAI Endorsed Transactions on Industrial Networks and Intelligent Systems</i> , <b>2017</b> , 4, 152155	1.5	8
71	Intrusion Detection System for Platooning Connected Autonomous Vehicles <b>2019</b> ,		8
70	Cyber Ranges and TestBeds for Education, Training, and Research. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 1809	2.6	8
69	<b>2013</b> ,		7
68	Layered backpressure scheduling for delay reduction in ad hoc networks <b>2011</b> ,		7
67	MIMO Techniques for Jamming Threat Suppression in Vehicular Networks. <i>Mobile Information Systems</i> , <b>2016</b> , 2016, 1-9	1.4	7
66	Developing cyber peacekeeping: Observation, monitoring and reporting. <i>Government Information Quarterly</i> , <b>2019</b> , 36, 276-293	7.6	7
65	Cyber Security: From Regulations and Policies to Practice. <i>Springer Proceedings in Business and Economics</i> , <b>2019</b> , 763-770	0.2	6
64	Using Gamification to Raise Awareness of Cyber Threats to Critical National Infrastructure		6
63	A novel intrusion detection method based on OCSVM and K-means recursive clustering. <i>EAI Endorsed Transactions on Security and Safety</i> , <b>2015</b> , 2, e5	1.3	6
62	Real-Time Information Security Incident Management: A Case Study Using the IS-CHEC Technique. <i>IEEE Access</i> , <b>2019</b> , 7, 142147-142175	3.5	6
61	Privacy-preserving Schemes for Fog-based IoT Applications: Threat models, Solutions, and Challenges <b>2018</b> ,		6
60	Two-Hop Monitoring Mechanism Based on Relaxed Flow Conservation Constraints against Selective Routing Attacks in Wireless Sensor Networks. <i>Sensors</i> , <b>2020</b> , 20,	3.8	5
59	Clustering in Urban environments: Virtual forces applied to vehicles <b>2013</b> ,		5
58	A security architectural pattern for risk management of industry control systems within critical national infrastructure. <i>International Journal of Critical Infrastructures</i> , <b>2017</b> , 13, 113	1	5
57	A Distributed IDS for Industrial Control Systems. <i>International Journal of Cyber Warfare and Terrorism</i> , <b>2014</b> , 4, 1-22	0.3	5
56	Teaching the process of building an Intrusion Detection System using data from a small-scale SCADA testbed. <i>Internet Technology Letters</i> , <b>2020</b> , 3, e132	1.3	5
55	Can a Network Attack Be Simulated in an Emulated Environment for Network Security Training?. <i>Journal of Sensor and Actuator Networks</i> , <b>2017</b> , 6, 16	3.8	4

54	An Industrial Control Systems incident response decision framework <b>2015</b> ,		4
53	Electronic medical records and risk management in hospitals of Saudi Arabia. <i>Informatics for Health and Social Care</i> , <b>2019</b> , 44, 189-203	2.7	4
52	Cybersecurity maturity assessment framework for higher education institutions in Saudi Arabia. <i>PeerJ Computer Science</i> , <b>2021</b> , 7, e703	2.7	4
51	Architectural and information theoretic perspectives of physical layer intruders for direct sequence spread spectrum systems. <i>Computers and Security</i> , <b>2017</b> , 70, 124-143	4.9	3
50	The mimetic virus: a vector for cyberterrorism. <i>International Journal of Business Continuity and Risk Management</i> , <b>2016</b> , 6, 259	0.2	3
49	A Detailed Analysis of Using Supervised Machine Learning for Intrusion Detection. <i>Springer Proceedings in Business and Economics</i> , <b>2020</b> , 629-639	0.2	3
48	On the conference key distribution system with user anonymity. <i>Journal of Information Security and Applications</i> , <b>2020</b> , 54, 102556	3.5	3
47	SCIPS. <i>International Journal of Cyber Warfare and Terrorism</i> , <b>2017</b> , 7, 1-15	0.3	3
46	Cybersecurity in the Era of Digital Transformation: The case of Greece <b>2020</b> ,		3
45	Insecure by Design: Using Human Interface Devices to exploit SCADA systems		3
44	Novel Intrusion Detection Mechanism with Low Overhead for SCADA Systems. <i>Advances in Information Security, Privacy, and Ethics Book Series</i> , 160-178	0.3	3
43	WHISPER: A Location Privacy-Preserving Scheme Using Transmission Range Changing for Internet of Vehicles. <i>Sensors</i> , <b>2021</b> , 21,	3.8	3
42	Improved Security Performance for VANET Simulations. <i>IFAC-PapersOnLine</i> , <b>2016</b> , 49, 233-238	0.7	3
41	Managing incident response in the industrial internet of things. <i>International Journal of Internet Technology and Secured Transactions</i> , <b>2018</b> , 8, 251	0.6	3
40	Vulnerability Assessment of Cyber Security for SCADA Systems. <i>Computer Communications and Networks</i> , <b>2018</b> , 59-80	0.5	3
39	The Security Aspects of Automotive Over-the-Air Updates. <i>International Journal of Cyber Warfare and Terrorism</i> , <b>2020</b> , 10, 64-81	0.3	2
38	A Robust Eco-Routing Protocol against Malicious Data in Vehicular Networks <b>2015</b> ,		2
37	Distributed Skip Air Index for smart broadcasting in intelligent transportation systems <b>2012</b> ,		2

36	Control and optimization of the Corona effects and breakdown of small rod-plate air gaps stressed by dc and impulse voltages <b>2013</b> ,		2
35	A multiplayer game model to detect insiders in wireless sensor networks.. <i>PeerJ Computer Science</i> , <b>2022</b> , 8, e791	2.7	2
34	Security and privacy challenges in the field of iOS device forensics. <i>AIMS Electronics and Electrical Engineering</i> , <b>2020</b> , 4, 249-258	1	2
33	Taxonomy of Supervised Machine Learning for Intrusion Detection Systems. <i>Springer Proceedings in Business and Economics</i> , <b>2020</b> , 619-628	0.2	2
32	A NIS Directive Compliant Cybersecurity Maturity Assessment Framework <b>2020</b> ,		2
31	Intrusion Detection in Critical Infrastructures: A Literature Review. <i>Smart Cities</i> , <b>2021</b> , 4, 1146-1157	3.3	2
30	FELIDS: Federated learning-based intrusion detection system for agricultural Internet of Things. <i>Journal of Parallel and Distributed Computing</i> , <b>2022</b> , 165, 17-31	4.4	2
29	<b>2020</b> ,		1
28	On data leakage from non-production systems. <i>Information and Computer Security</i> , <b>2017</b> , 25, 454-474	1.4	1
27	A novel adaptive learning management system using ontology <b>2015</b> ,		1
26	CYRAN. <i>Advances in Information Security, Privacy, and Ethics Book Series</i> , 226-241	0.3	1
25	Novel Intrusion Detection Mechanism with Low Overhead for SCADA Systems <b>2020</b> , 299-318		1
24	The Cost Perspective of Password Security. <i>Advances in Information Security, Privacy, and Ethics Book Series</i> , <b>2020</b> , 319-330	0.3	1
23	Stochastic Optimization of Electric Vehicle Charging Stations <b>2019</b> ,		1
22	Between Location protection and Overthrowing: A Contrariness Framework Study for Smart Vehicles <b>2021</b> ,		1
21	A Novel Hybrid Cyber Range for Security Exercises on Cyber-Physical Systems. <i>International Journal of Smart Security Technologies</i> , <b>2021</b> , 8, 16-34	0.3	1
20	<b>2018</b> ,		1
19	Taxonomy of Biometric-based Authentication Schemes for Mobile Computing Devices <b>2018</b> ,		1

18	RF Jamming Classification Using Relative Speed Estimation in Vehicular Wireless Networks. <i>Security and Communication Networks</i> , <b>2021</b> , 2021, 1-16	1.9	1
17	Effect of Network Architecture Changes on OCSVM Based Intrusion Detection System. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2017</b> , 90-100	0.2	0
16	Developing Cyber Buffer Zones <b>2020</b> , 287-303		
15	Cyber Threats in the Healthcare Sector and Countermeasures. <i>Advances in Business Strategy and Competitive Advantage Book Series</i> , <b>2020</b> , 109-124	0.3	
14	A Novel Method for Calculating Customer Reviews Ratings. <i>Advances in Computer and Electrical Engineering Book Series</i> , <b>2018</b> , 460-478	0.3	
13	SCIPS <b>2018</b> , 1168-1183		
12	Cooperative Speed Estimation of an RF Jammer in Wireless Vehicular Networks. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 205-223	0.9	
11	OSNs as Cyberterrorist Weapons against the General Public. <i>Advances in Information Security, Privacy, and Ethics Book Series</i> , <b>2017</b> , 179-197	0.3	
10	Security Visualization: Detecting Denial of Service. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2017</b> , 39-49	0.2	
9	Protecting Civilians from Cyber Warfare with Cyber Buffer Zones. <i>International Journal of Smart Security Technologies</i> , <b>2019</b> , 6, 31-48	0.3	
8	Blockchain Technology: Security and Privacy Issues. <i>Smart Innovation, Systems and Technologies</i> , <b>2021</b> , 95-107	0.5	
7	Convergence of detection probability, computational gains, and asymptotic analysis of an algorithm for physical-layer intrusion detection system. <i>Transactions on Emerging Telecommunications Technologies</i> , <b>2018</b> , 29, e3430	1.9	
6	Digital Transformation and Cybersecurity of Critical Infrastructures. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 8357	2.6	
5	A Mamdani Type Fuzzy Inference System to Calculate Employee Susceptibility to Phishing Attacks. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 9083	2.6	
4	SAMA: Security-Aware Monitoring Approach for Location Abusing and UAV GPS-Spoofing Attacks on Internet of Vehicles. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2022</b> , 343-360	0.2	
3	Healthcare Security Incident Response Strategy - A Proactive Incident Response (IR) Procedure. <i>Security and Communication Networks</i> , <b>2022</b> , 2022, 1-10	1.9	
2	Artificial Intelligence: Practical and Ethical Challenges. <i>Studies in Computational Intelligence</i> , <b>2022</b> , 59-71	0.8	
1	Development and application of the Information Security Core Human Error Causes (IS-CHEC) technique <b>2022</b> , 267-295		



