

Xavier Ja Bellekens

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8066715/publications.pdf>

Version: 2024-02-01

46
papers

1,242
citations

759055

12
h-index

610775

24
g-index

47
all docs

47
docs citations

47
times ranked

964
citing authors

#	ARTICLE	IF	CITATIONS
1	Cyber security in the age of COVID-19: A timeline and analysis of cyber-crime and cyber-attacks during the pandemic. Computers and Security, 2021, 105, 102248.	4.0	294
2	Threat analysis of IoT networks using artificial neural network intrusion detection system. , 2016, , .		289
3	A Taxonomy of Network Threats and the Effect of Current Datasets on Intrusion Detection Systems. IEEE Access, 2020, 8, 104650-104675.	2.6	107
4	Utilising Deep Learning Techniques for Effective Zero-Day Attack Detection. Electronics (Switzerland), 2020, 9, 1684.	1.8	75
5	Machine Learning Based IoT Intrusion Detection System: An MQTT Case Study (MQTT-IoT-IDS2020) Tj ETQq1 1 0.784314 rgBT/Overlo	0.5	53
6	A Review of Cyber-Ranges and Test-Beds: Current and Future Trends. Sensors, 2020, 20, 7148.	2.1	49
7	Cyber Security in the Maritime Industry: A Systematic Survey of Recent Advances and Future Trends. Information (Switzerland), 2022, 13, 22.	1.7	32
8	Machine Learning Approach for Detection of nonTor Traffic. , 2017, , .		28
9	Pervasive eHealth services a security and privacy risk awareness survey. , 2016, , .		27
10	Creation and Detection of Hardware Trojans Using Non-Invasive Off-The-Shelf Technologies. Electronics (Switzerland), 2018, 7, 124.	1.8	23
11	Classification of Cattle Behaviours Using Neck-Mounted Accelerometer-Equipped Collars and Convolutional Neural Networks. Sensors, 2021, 21, 4050.	2.1	22
12	Cyber-Security Challenges in Aviation Industry: A Review of Current and Future Trends. Information (Switzerland), 2022, 13, 146.	1.7	19
13	A Study on Situational Awareness Security and Privacy of Wearable Health Monitoring Devices. International Journal on Cyber Situational Awareness, 2016, 1, 74-96.	0.8	16
14	Critical patient eHealth monitoring system using wearable sensors. , 2017, , .		14
15	Threat Modeling and Security Issues for the Internet of Things. , 2019, , .		14
16	An Assessment of Blockchain Consensus Protocols for the Internet of Things. , 2018, , .		13
17	Cyber-Security Internals of a Skoda Octavia vRS: A Hands on Approach. IEEE Access, 2019, 7, 146057-146069.	2.6	13
18	Improving SIEM for Critical SCADA Water Infrastructures Using Machine Learning. Lecture Notes in Computer Science, 2019, , 3-19.	1.0	13

#	ARTICLE	IF	CITATIONS
19	Automatic Annotation of Subsea Pipelines Using Deep Learning. Sensors, 2020, 20, 674.	2.1	13
20	Interoperability and Integration Testing Methods for IoT Systems: A Systematic Mapping Study. Lecture Notes in Computer Science, 2020, , 93-112.	1.0	13
21	Gesture based IoT light control for smart clothing. , 2016, , .		10
22	A Highly-Efficient Memory-Compression Scheme for GPU-Accelerated Intrusion Detection Systems. , 2014, , .		9
23	When eHealth meets the internet of things: Pervasive security and privacy challenges. , 2017, , .		9
24	A Taxonomy of Malicious Traffic for Intrusion Detection Systems. , 2018, , .		8
25	Developing a Siamese Network for Intrusion Detection Systems. , 2021, , .		8
26	GLoP. , 2014, , .		7
27	CryptoKnight: Generating and Modelling Compiled Cryptographic Primitives. Information (Switzerland), 2018, 9, 231.	1.7	7
28	Defect Detection in Aerospace Sandwich Composite Panels Using Conductive Thermography and Contact Sensors. Sensors, 2020, 20, 6689.	2.1	7
29	A Comprehensive View on Quality Characteristics of the IoT Solutions. EAI/Springer Innovations in Communication and Computing, 2020, , 59-69.	0.9	7
30	On the importance of cyber-security training for multi-vector energy distribution system operators. , 2020, , .		7
31	A Comparison of the Performance of 2D and 3D Convolutional Neural Networks for Subsea Survey Video Classification. , 2021, , .		6
32	Data remanence and digital forensic investigation for CUDA Graphics Processing Units. , 2015, , .		4
33	Managing knowledge flows in Mauritian multinational corporations: Empirical analysis using the SECI model. , 2016, , .		4
34	Quality and Reliability Metrics for IoT Systems: A Consolidated View. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 635-650.	0.2	4
35	Knowledge-Based Management Systems for the Police Force. , 2016, , .		3
36	Machine Learning Approach for Detection of nonTor Traffic. Journal of Cyber Security and Mobility, 2017, 6, 171-194.	0.7	2

#	ARTICLE	IF	CITATIONS
37	Composite Laminate Delamination Detection Using Transient Thermal Conduction Profiles and Machine Learning Based Data Analysis. Sensors, 2020, 20, 7227.	2.1	2
38	Utilising Flow Aggregation to Classify Benign Imitating Attacks. Sensors, 2021, 21, 1761.	2.1	2
39	Labelled Network Capture Generation for Anomaly Detection. Lecture Notes in Computer Science, 2020, , 98-113.	1.0	2
40	Selected Code-Quality Characteristics and Metrics for Internet of Things Systems. IEEE Access, 2022, 10, 46144-46161.	2.6	2
41	Strategies for Protecting Intellectual Property when Using CUDA Applications on Graphics Processing Units. , 2016, , .		1
42	A spatio-temporal entropy-based approach for the analysis of cyber attacks (demo paper). , 2018, , .		1
43	Air Quality Monitoring in Mauritius. , 2018, , .		1
44	A Human-Centred Model for Network Flow Analysis. , 2018, , .		1
45	X-Secure: Protecting users from big bad wolves. , 2016, , .		0
46	Mayall: A Framework for Desktop JavaScript Auditing and Post-Exploitation Analysis. Informatics, 2018, 5, 46.	2.4	0