George Loukas

List of Publications by Year in Descending Order

57 papers	1,100 citations	18 h-index	32 g-index
61 ext. papers	1,450 ext. citations	3.6 avg, IF	5 L-index

#	Paper	IF	Citations
57	Information Hygiene: The Fight Against the Misinformation Infodemic. *IT Professional*, **2022**, 24, 16-18	1.9	
56	Emotional Reactions to Cybersecurity Breach Situations: Scenario-Based Survey Study. *Journal of Medical Internet Research*, **2021**, 23, e24879	7.6	1
55	. *IEEE Transactions on Information Forensics and Security*, **2021**, 16, 1720-1735	8	13
54	Data-Driven Decision Support for Optimizing Cyber Forensic Investigations. *IEEE Transactions on Information Forensics and Security*, **2021**, 16, 2397-2412	8	10
53	Transformer-based identification of stochastic information cascades in social networks using text and image similarity. *Applied Soft Computing Journal*, **2021**, 108, 107413	7.5	2
52	On-the-fly Privacy for Location Histograms. *IEEE Transactions on Dependable and Secure Computing*, **2020**, 1-1	3.9	0
51	Digital Deception: Cyber Fraud and Online Misinformation. *IT Professional*, **2020**, 22, 19-20	1.9	2
50	Optimizing Investments in Cyber Hygiene for Protecting Healthcare Users. *Lecture Notes in Computer Science*, **2020**, 268-291	0.9	2
49	How Secure is Home: Assessing Human Susceptibility to IoT Threats **2020**,		1
48	A Prototype Framework for Assessing Information Provenance in Decentralised Social Media: The EUNOMIA Concept. *Communications in Computer and Information Science*, **2020**, 196-208	0.3	3
47	Dynamic decision support for resource offloading in heterogeneous Internet of Things environments. *Simulation Modelling Practice and Theory*, **2020**, 101, 102019	3.9	11
46	A Prototype Deep Learning Paraphrase Identification Service for Discovering Information Cascades in Social Networks **2020**,		1
45	Post quantum proxy signature scheme based on the multivariate public key cryptographic signature. *International Journal of Distributed Sensor Networks*, **2020**, 16, 155014772091477	1.7	0
44	. *IT Professional*, **2019**, 21, 18-25	1.9	10
43	Spreading of computer viruses on time-varying networks. *Physical Review E*, **2019**, 99, 050303	2.4	2
42	Blockchain and IoT-based Secure Multimedia Retrieval System for a Massive Crowd **2019**,		4
41	. *IEEE Access*, **2019**, 7, 50658-50668	3.5	2

40	A taxonomy and survey of attacks against machine learning. *Computer Science Review*, **2019**, 34, 100199	8.3	51
39	A Secure Occupational Therapy Framework for Monitoring Cancer Patients' Quality of Life. *Sensors*, **2019**, 19,	3.8	12
38	A taxonomy and survey of cyber-physical intrusion detection approaches for vehicles. *Ad Hoc Networks*, **2019**, 84, 124-147	4.8	44
37	Cloud-Based Cyber-Physical Intrusion Detection for Vehicles Using Deep Learning. *IEEE Access*, **2018**, 6, 3491-3508	3.5	105
36	On the successful deployment of community policing services the TRILLION project case **2018**,		1
35	Detecting semantic social engineering attacks with the weakest link: Implementation and empirical evaluation of a human-as-a-security-sensor framework. *Computers and Security*, **2018**, 76, 101-127	4.9	36
34	A taxonomy of cyber-physical threats and impact in the smart home. *Computers and Security*, **2018**, 78, 398-428	4.9	38
33	Blockchain-Based Mobile Edge Computing Framework for Secure Therapy Applications. *IEEE Access*, **2018**, 6, 72469-72478	3.5	90
32	Protection Against Semantic Social Engineering Attacks. *Advances in Information Security*, **2018**, 99-140	0.7	2
31	Impact evaluation and detection of malicious spoofing attacks on BLE based occupancy detection systems **2017**,		2
30	Evaluating the impact of malicious spoofing attacks on Bluetooth low energy based occupancy detection systems **2017**,		2
29	Assessing the cyber-trustworthiness of human-as-a-sensor reports from mobile devices **2017**,		5
28	An eye for deception: A case study in utilizing the human-as-a-security-sensor paradigm to detect zero-day semantic social engineering attacks **2017**,		8
27	Computation offloading of a vehicle continuous intrusion detection workload for energy efficiency and performance. *Simulation Modelling Practice and Theory*, **2017**, 73, 83-94	3.9	13
26	Detecting Cyber-Physical Threats in an Autonomous Robotic Vehicle Using Bayesian Networks **2017** ,		14
25	Location-Enhanced Activity Recognition in Indoor Environments Using Off the Shelf Smart Watch Technology and BLE Beacons. *Sensors*, **2017**, 17,	3.8	18
24	Occupancy Detection for Building Emergency Management Using BLE Beacons. *Communications in Computer and Information Science*, **2016**, 233-240	0.3	9
23	. *IEEE Access*, **2016**, 4, 6910-6928	3.5	42

22	A Taxonomy of Attacks and a Survey of Defence Mechanisms for Semantic Social Engineering Attacks. *ACM Computing Surveys*, **2016**, 48, 1-39	13.4	65
21	Evaluating the reliability of users as human sensors of social media security threats **2016**,		5
20	Activity Recognition in a Home Setting Using Off the Shelf Smart Watch Technology **2016**,		5
19	**2016**,		21
18	Bluetooth Low Energy Based Occupancy Detection for Emergency Management **2016**,		18
17	Facilitating forensic examinations of multi-user computer environments through session-to-session analysis of Internet history. *Digital Investigation*, **2016**, 16, S124-S133	3.3	3
16	Physical-Cyber Attacks **2015**, 221-253		17
15	Decision tree-based detection of denial of service and command injection attacks on robotic vehicles **2015**,		26
14	**2015**,		21
13	Physical indicators of cyber attacks against a rescue robot **2014**,		13
12	Strengthening the security of cognitive packet networks. *International Journal of Advanced Intelligence Paradigms*, **2014**, 6, 14	0.5	1
11	A taxonomy of cyber attack and defence mechanisms for emergency management networks **2013**,		4
10	A Review of Cyber Threats and Defence Approaches in Emergency Management. *Future Internet*, **2013**, 5, 205-236	3.3	23
9	A survey of mathematical models, simulation approaches and testbeds used for research in cloud computing. *Simulation Modelling Practice and Theory*, **2013**, 39, 92-103	3.9	57
8	On the Feasibility of Automated Semantic Attacks in the Cloud **2013**, 343-351		3
7	Protection Against Denial of Service Attacks: A Survey. *Computer Journal*, **2010**, 53, 1020-1037	1.3	65
6	Connecting trapped civilians to a wireless ad hoc network of emergency response robots **2008**,		2
5	A self-aware approach to denial of service defence. *Computer Networks*, **2007**, 51, 1299-1314	5.4	101

4	Detecting Denial of Service Attacks with Bayesian Classifiers and the Random Neural Network. *IEEE International Conference on Fuzzy Systems*, **2007**,		28
3	A Denial of Service Detector based on Maximum Likelihood Detection and the Random Neural Network. *Computer Journal*, **2007**, 50, 717-727	1.3	40
2	Defending networks against denial-of-service attacks **2004**,		8
1	An autonomic approach to denial of service defence		17