Sotiris Ioannidis

List of Publications by Year in descending order

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68 papers	2,400 citations	471061 17 h-index	315357 38 g-index
68 all docs	68 docs citations	68 times ranked	1983 citing authors

#	Article	IF	Citations
1	A Survey on Encrypted Network Traffic Analysis Applications, Techniques, and Countermeasures. ACM Computing Surveys, 2022, 54, 1-35.	16.1	57
2	Realizing Ambient Backscatter Communications with Intelligent Surfaces in 6G Wireless Systems. IEEE Wireless Communications, 2022, 29, 178-185.	6.6	5
3	Software-Defined Reconfigurable Intelligent Surfaces: From Theory to End-to-End Implementation. Proceedings of the IEEE, 2022, 110, 1466-1493.	16.4	15
4	Discovery and Classification of Twitter Bots. SN Computer Science, 2022, 3, .	2.3	3
5	CIRCE: Architectural Patterns for Circular and Trustworthy By-Design IoT Orchestrations. Frontiers in Sustainability, 2022, 3, .	1.3	1
6	Scheduling of multiple network packet processing applications using Pythia. Computer Networks, 2022, , 109006.	3.2	2
7	The Diversification and Enhancement of an IDS Scheme for the Cybersecurity Needs of Modern Supply Chains. Electronics (Switzerland), 2022, 11, 1944.	1.8	0
8	A survey of Twitter research: Data model, graph structure, sentiment analysis and attacks. Expert Systems With Applications, 2021, 164, 114006.	4.4	113
9	SPD-Safe: Secure Administration of Railway Intelligent Transportation Systems. Electronics (Switzerland), 2021, 10, 92.	1.8	6
10	Towards a Collection of Security and Privacy Patterns. Applied Sciences (Switzerland), 2021, 11, 1396.	1.3	9
11	Acceleration of Intrusion Detection in Encrypted Network Traffic Using Heterogeneous Hardware. Sensors, 2021, 21, 1140.	2.1	14
12	CYRA: A Model-Driven CYber Range Assurance Platform. Applied Sciences (Switzerland), 2021, 11, 5165.	1.3	7
13	The THREAT-ARREST Cyber Range Platform. , 2021, , .		6
14	Next Generation Connected Materials for Intelligent Energy Propagation in Multiphysics Systems. IEEE Communications Magazine, 2021, 59, 100-106.	4.9	4
15	The Green Blockchains of Circular Economy. Electronics (Switzerland), 2021, 10, 2008.	1.8	10
16	On the Use of Programmable Metasurfaces in Vehicular Networks. , 2021, , .		6
17	A fine-grained social network recommender system. Social Network Analysis and Mining, 2020, 10, 1.	1.9	39
18	Pythia: Scheduling of Concurrent Network Packet Processing Applications on Heterogeneous Devices. , 2020, , .		4

#	Article	IF	Citations
19	Artificial Intelligence-Driven Composition and Security Validation of an Internet of Things Ecosystem. Applied Sciences (Switzerland), 2020, 10, 4862.	1.3	5
20	End-to-End Wireless Path Deployment With Intelligent Surfaces Using Interpretable Neural Networks. IEEE Transactions on Communications, 2020, 68, 6792-6806.	4.9	21
21	Head(er)Hunter: Fast Intrusion Detection using Packet Metadata Signatures. , 2020, , .		5
22	Advanced Physical-layer Security as an App in Programmable Wireless Environments. , 2020, , .		4
23	Modern Aspects of Cyber-Security Training and Continuous Adaptation of Programmes to Trainees. Applied Sciences (Switzerland), 2020, 10, 5702.	1.3	25
24	Toward Intelligent Metasurfaces: The Progress from Globally Tunable Metasurfaces to Softwareâ€Defined Metasurfaces with an Embedded Network of Controllers. Advanced Optical Materials, 2020, 8, 2000783.	3.6	145
25	MobileTrust. ACM Transactions on Cyber-Physical Systems, 2020, 4, 1-25.	1.9	13
26	The Million Dollar Handshake: Secure and Attested Communications in the Cloud. , 2020, , .		4
27	On the Network-Layer Modeling and Configuration of Programmable Wireless Environments. IEEE/ACM Transactions on Networking, 2019, 27, 1696-1713.	2.6	41
28	The CE-IoT Framework for Green ICT Organizations: The interplay of CE-IoT as an enabler for green innovation and e-waste management in ICT. , 2019, , .		6
29	Exploration of Intercell Wireless Millimeter-Wave Communication in the Landscape of Intelligent Metasurfaces. IEEE Access, 2019, 7, 122931-122948.	2.6	41
30	Review of Security and Privacy for the Internet of Medical Things (IoMT). , 2019, , .		83
31	An Interpretable Neural Network for Configuring Programmable Wireless Environments. , 2019, , .		41
32	Botnet Attack Detection at the IoT Edge Based on Sparse Representation. , 2019, , .		21
33	Pattern-Driven Security, Privacy, Dependability and Interoperability Management of IoT Environments. , 2019, , .		6
34	Secure Semantic Interoperability for IoT Applications with Linked Data. , 2019, , .		1
35	Joint Compressed Sensing and Manipulation of Wireless Emissions with Intelligent Surfaces. , 2019, , .		19
36	Cyber Insurance of Information Systems: Security and Privacy Cyber Insurance Contracts for ICT and Helathcare Organizations. , 2019, , .		2

#	Article	IF	Citations
37	A novel communication paradigm for high capacity and security via programmable indoor wireless environments in next generation wireless systems. Ad Hoc Networks, 2019, 87, 1-16.	3.4	80
38	Utilizing the average node degree to assess the temporal growth rate of Twitter. Social Network Analysis and Mining, 2018, 8, 1.	1.9	7
39	Network Topology Effects on the Detectability of Crossfire Attacks. IEEE Transactions on Information Forensics and Security, 2018, 13, 1682-1695.	4.5	17
40	Realizing Wireless Communication Through Software-Defined HyperSurface Environments. , 2018, , .		70
41	A New Wireless Communication Paradigm through Software-Controlled Metasurfaces. IEEE Communications Magazine, 2018, 56, 162-169.	4.9	799
42	Towards Model-Driven Application Security across Clouds. , 2018, , .		1
43	Efficient Software Packet Processing on Heterogeneous and Asymmetric Hardware Architectures. IEEE/ACM Transactions on Networking, 2017, 25, 1593-1606.	2.6	16
44	Computing and Communications for the Software-Defined Metamaterial Paradigm: A Context Analysis. IEEE Access, 2017, 5, 6225-6235.	2.6	62
45	Social media analysis during political turbulence. PLoS ONE, 2017, 12, e0186836.	1.1	31
46	A novel protocol for network-controlled metasurfaces. , 2017, , .		12
47	Motivation Effect of Social Media Posts about Well-being and Healthy Living. , 2016, , .		1
48	Exploiting abused trending topics to identify spam campaigns in Twitter. Social Network Analysis and Mining, 2016, 6, 1.	1.9	13
49	Design and Development of Software Defined Metamaterials for Nanonetworks. IEEE Circuits and Systems Magazine, 2015, 15, 12-25.	2.6	84
50	GPU-assisted malware. International Journal of Information Security, 2015, 14, 289-297.	2.3	23
51	Efficient software packet processing on heterogeneous and asymmetric hardware architectures. , 2014, , .		14
52	Multilevel Visualization Using Enhanced Social Network Analysis with Smartphone Data. International Journal of Digital Crime and Forensics, 2013, 5, 34-54.	0.5	5
53	CAPTCHuring Automated (Smart) Phone Attacks. , 2011, , .		2
54	IRILD: An Information Retrieval Based Method for Information Leak Detection. , 2011, , .		10

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55	Outsourcing Malicious Infrastructure to the Cloud. , 2011, , .		3
56	Detecting social network profile cloning. , 2011, , .		57
57	Security and privacy architectures for biomedical cloud computing. , 2010, , .		6
58	GPU-assisted malware. , 2010, , .		15
59	HoneyLab: Large-Scale Honeypot Deployment and Resource Sharing. , 2009, , .		12
60	Evaluation of Compression of Remote Network Monitoring Data Streams. , 2008, , .		4
61	Gnort: High Performance Network Intrusion Detection Using Graphics Processors. Lecture Notes in Computer Science, 2008, , 116-134.	1.0	208
62	Decentralized access control in distributed file systems. ACM Computing Surveys, 2008, 40, 1-30.	16.1	32
63	When AppMon Met Stager. , 2008, , .		0
64	Performance Evaluation of Privacy-Preserving Policy Reconciliation Protocols. , 2007, , .		5
65	COVERAGE: detecting and reacting to worm epidemics using cooperation and validation. International Journal of Information Security, 2007, 6, 361-378.	2.3	2
66	Open Packet Monitoring on FLAME: Safety, Performance, and Applications. Lecture Notes in Computer Science, 2002, , 120-131.	1.0	12
67	CRAUL: Compiler and Run-Time Integration for Adaptation under Load. Scientific Programming, 1999, 7, 261-273.	0.5	6
68	On using network RAM as a nonâ€volatile buffer. Cluster Computing, 1999, 2, 295-303.	3.5	7