Christos Xenakis

List of Publications by Year
in descending order

79 papers	761 citations	566801 15 h-index	642321 23 g-index
80 all docs	80 docs citations	80 times ranked	580 citing authors

#	ARTICLE	IF	CITATIONS
1	A generic characterization of the overheads imposed by IPsec and associated cryptographic algorithms. Computer Networks, 2006, 50, 3225-3241.	3.2	53
2	A comparative evaluation of intrusion detection architectures for mobile ad hoc networks. Computers and Security, 2011, 30, 63-80.	4.0	48
3	Analyzing, quantifying, and detecting the blackhole attack in infrastructure-less networks. Computer Networks, 2017, 113, 94-110.	3.2	43
4	Security in third Generation Mobile Networks. Computer Communications, 2004, 27, 638-650.	3.1	39
5	One-Pass EAP-AKA Authentication in 3G-WLAN Integrated Networks. Wireless Personal Communications, 2009, 48, 569-584.	1.8	28
6	Evaluation of Cryptography Usage in Android Applications. , 2016, , .		27
7	Evaluating the privacy of Android mobile applications under forensic analysis. Computers and Security, 2014, 42, 66-76.	4.0	26
8	A specification-based intrusion detection engine for infrastructure-less networks. Computer Communications, 2014, 54, 67-83.	3.1	21
9	Commix: automating evaluation and exploitation of command injection vulnerabilities in Web applications. International Journal of Information Security, 2019, 18, 49-72.	2.3	20
10	Gaithashing: A two-factor authentication scheme based on gait features. Computers and Security, 2015, 52, 17-32.	4.0	19
11	Building Trust for Smart Connected Devices: The Challenges and Pitfalls of TrustZone. Sensors, 2021, 21, 520.	2.1	18
12	P4G2Go: A Privacy-Preserving Scheme for Roaming Energy Consumers of the Smart Grid-to-Go. Sensors, 2021, 21, 2686.	2.1	18
13	MASKER: Masking for privacy-preserving aggregation in the smart grid ecosystem. Computers and Security, 2018, 73, 307-325.	4.0	18
14	Malicious actions against the GPRS technology. Journal in Computer Virology, 2006, 2, 121-133.	1.9	17
15	Distributed Key Management in Microgrids. IEEE Transactions on Industrial Informatics, 2020, 16, 2125-2133.	7.2	16
16	Contract-Less Mobile Data Access Beyond 5G: Fully-Decentralized, High-Throughput and Anonymous Asset Trading Over the Blockchain. IEEE Access, 2021, 9, 73963-74016.	2.6	16
17	Automated Cyber and Privacy Risk Management Toolkit. Sensors, 2021, 21, 5493.	2.1	16
18	Transforming malicious code to ROP gadgets for antivirus evasion. IET Information Security, 2019, 13, 570-578.	1.1	15

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19	Evaluation of password hashing schemes in open source web platforms. Computers and Security, 2019, 84, 206-224.	4.0	14
20	SECONDO: A Platform for Cybersecurity Investments and Cyber Insurance Decisions. Lecture Notes in Computer Science, 2020, , 65-74.	1.0	14
21	Secure Edge Computing with Lightweight Control-Flow Property-based Attestation. , 2019, , .		13
22	Discovering Authentication Credentials in Volatile Memory of Android Mobile Devices. IFIP Advances in Information and Communication Technology, 2013, , 178-185.	0.5	13
23	Attacking the baseband modem of mobile phones to breach the users' privacy and network security. , 2015, , .		12
24	CUREX: seCUre and pRivate hEalth data eXchange. , 2019, , .		12
25	Killing the Password and Preserving Privacy With Device-Centric and Attribute-Based Authentication. IEEE Transactions on Information Forensics and Security, 2020, 15, 2183-2193.	4.5	12
26	P2ISE: Preserving Project Integrity in CI/CD Based on Secure Elements. Information (Switzerland), 2021, 12, 357.	1.7	12
27	An advanced persistent threat in 3G networks: Attacking the home network from roaming networks. Computers and Security, 2014, 40, 84-94.	4.0	11
28	An Evaluation of Anomaly-Based Intrusion Detection Engines for Mobile Ad Hoc Networks. Lecture Notes in Computer Science, 2011, , 150-160.	1.0	10
29	Self-organised Key Management for the Smart Grid. Lecture Notes in Computer Science, 2015, , 303-316.	1.0	9
30	NodeXP: NOde.js server-side JavaScript injection vulnerability DEtection and eXPloitation. Journal of Information Security and Applications, 2021, 58, 102752.	1.8	9
31	A Qualitative Risk Analysis for the GPRS Technology. , 2008, , .		8
32	ObjectMap. , 2019, , .		8
33	A generic mechanism for efficient authentication in B3G networks. Computers and Security, 2010, 29, 460-475.	4.0	7
34	A survey of voice and communication protection solutions against wiretapping. Computers and Electrical Engineering, 2019, 77, 163-178.	3.0	7
35	On Identifying Threats and Quantifying Cybersecurity Risks of Mnos Deploying Heterogeneous Rats. IEEE Access, 2020, 8, 224677-224701.	2.6	7
36	Reducing Authentication Traffic in 3G-WLAN Integrated Networks. , 2007, , .		6

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37	Security architectures for B3G mobile networks. Telecommunication Systems, 2007, 35, 123-139.	1.6	6
38	A network-assisted mobile VPN for securing users data in UMTS. Computer Communications, 2008, 31, 3315-3327.	3.1	6
39	EKnad: Exploit Kitsâ€™ network activity detection. Future Generation Computer Systems, 2022, 134, 219-235.	4.9	6
40	IPsec-based end-to-end VPN deployment over UMTS. Computer Communications, 2004, 27, 1693-1708.	3.1	5
41	Securing the 802.11 MAC in MANETs: A specification-based intrusion detection engine. , 2012, , .		5
42	Protecting Sensitive Information in the Volatile Memory from Disclosure Attacks. , 2016, , .		5
43	(U)SimMonitor: A mobile application for security evaluation of cellular networks. Computers and Security, 2016, 60, 62-78.	4.0	5
44	A Security Evaluation of FIDOâ€™s UAF Protocol in Mobile and Embedded Devices. Communications in Computer and Information Science, 2017, , 127-142.	0.4	5
45	A forensic investigation of Android mobile applications. , 2018, , .		5
46	SealedGRID: Secure and Interoperable Platform for Smart GRID Applications. Sensors, 2021, 21, 5448.	2.1	5
47	Vulnerabilities and Possible Attacks Against the GPRS Backbone Network. Lecture Notes in Computer Science, 2006, , 262-272.	1.0	4
48	A Security Protocol for Mutual Authentication and Mobile VPN Deployment in B3G Networks. , 2007, , .		4
49	Towards trusted metering in the smart grid. , 2017, , .		4
50	A web tool for analyzing FIDO2/WebAuthn Requests and Responses. , 2021, , .		4
51	A Quantitative Risk Analysis Approach for Deliberate Threats. Lecture Notes in Computer Science, 2011, , 13-25.	1.0	4
52	A Mobility and Energy-Aware Hierarchical Intrusion Detection System for Mobile Ad Hoc Networks. Lecture Notes in Computer Science, 2011, , 138-149.	1.0	4
53	The Integrated Holistic Security and Privacy Framework Deployed in CrowdHEALTH Project. Acta Informatica Medica, 2019, 27, 333.	0.5	4
54	BRIDGE: BRIDGing the gap bEtween CTI production and consumption. , 2022, , .		4

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55	Alternative Schemes for Dynamic Secure VPN Deployment in UMTS. Wireless Personal Communications, 2006, 36, 163-194.	1.8	3
56	Efficient authentication for users autonomy in Next Generation All-IP networks. , 2007, , .		3
57	Reducing the User Authentication Cost in Next Generation Networks. , 2008, , .		3
58	Reducing False Synchronizations in 3G-WLAN Integrated Networks. IEEE Transactions on Wireless Communications, 2011, 10, 3765-3773.	6.1	3
59	Attacking GSM Networks as a Script Kiddie Using Commodity Hardware and Software. Lecture Notes in Computer Science, 2015, , 73-86.	1.0	3
60	SealedGRID: Scalable, trustEd, and interoperAble pLatform for sEcureD smart GRID. , 2019, , .		3
61	SOMA: Self-Organised Mesh Authentication. Lecture Notes in Computer Science, 2011, , 31-44.	1.0	2
62	Busfinder: A Personalized Multimodal Transportation Guide with Dynamic Routing. , 2012, , .		2
63	Questioning the Feasibility of UMTS-GSM Interworking Attacks. Wireless Personal Communications, 2012, 65, 157-163.	1.8	2
64	The weakest link on the network: Exploiting ADSL routers to perform cyber-attacks. , 2013, , .		2
65	RiSKi. , 2017, , .		2
66	SOMA-E: Self-organized mesh authentication—Extended. Mathematical and Computer Modelling, 2013, 57, 1606-1616.	2.0	1
67	Bypassing XSS Auditor: Taking advantage of badly written PHP code. , 2014, , .		1
68	BARRETT BlockchAin Regulated REmote aTTestation. , 2019, , .		1
69	FI-WARE authorization in a Smart Grid scenario. , 2020, , .		1
70	Cybersecurity Threats in the Healthcare Domain and Technical Solutions. , 2021, , 1-29.		1
71	A large-scale analysis of Wi-Fi passwords. Journal of Information Security and Applications, 2022, 67, 103190.	1.8	1
72	Security and Trust. , 2006, , 111-130.		0

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73	[m]allotROPism: a metamorphic engine for malicious software variation development. International Journal of Information Security, 2022, 21, 61-78.	2.3	0
74	Analysis and Modeling of False Synchronizations in 3G-WLAN Integrated Networks. International Federation for Information Processing, 2012, , 475-488.	0.4	0
75	A Better Time Approximation Scheme for e-Passports. Lecture Notes in Computer Science, 2013, , 13-23.	1.0	0
76	SealedGRID: A Secure Interconnection of Technologies for Smart Grid Applications. Lecture Notes in Computer Science, 2020, , 169-175.	1.0	0
77	Privacy-Preserving Aggregation in the Smart Grid. Advances in Information Security, Privacy, and Ethics Book Series, 0, , 80-97.	0.4	0
78	Unveiling the user requirements of a cyber range for 5G security testing and training. , 2021, , .		0
79	Mobile Telecom Networks. , 0, , 331-353.		0