

Georgios Kambourakis

List of Publications by Year in descending order

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Version: 2024-02-01

114
papers

4,172
citations

186265

28
h-index

128289

60
g-index

117
all docs

117
docs citations

117
times ranked

3418
citing authors

#	ARTICLE	IF	CITATIONS
1	DDoS in the IoT: Mirai and Other Botnets. <i>Computer</i> , 2017, 50, 80-84.	1.1	1,251
2	Intrusion Detection in 802.11 Networks: Empirical Evaluation of Threats and a Public Dataset. <i>IEEE Communications Surveys and Tutorials</i> , 2016, 18, 184-208.	39.4	353
3	Swarm intelligence in intrusion detection: A survey. <i>Computers and Security</i> , 2011, 30, 625-642.	6.0	174
4	Survey of security vulnerabilities in session initiation protocol. <i>IEEE Communications Surveys and Tutorials</i> , 2006, 8, 68-81.	39.4	163
5	The Mirai botnet and the IoT Zombie Armies. , 2017, , .		129
6	Introducing Deep Learning Self-Adaptive Misuse Network Intrusion Detection Systems. <i>IEEE Access</i> , 2019, 7, 13546-13560.	4.2	111
7	Optimal Countermeasures Selection Against Cyber Attacks: A Comprehensive Survey on Reaction Frameworks. <i>IEEE Communications Surveys and Tutorials</i> , 2018, 20, 1361-1396.	39.4	85
8	Demystifying COVID-19 Digital Contact Tracing: A Survey on Frameworks and Mobile Apps. <i>Wireless Communications and Mobile Computing</i> , 2020, 2020, 1-29.	1.2	83
9	Introducing touchstroke: keystroke-based authentication system for smartphones. <i>Security and Communication Networks</i> , 2016, 9, 542-554.	1.5	79
10	Evaluation of anomaly-based IDS for mobile devices using machine learning classifiers. <i>Security and Communication Networks</i> , 2012, 5, 3-14.	1.5	66
11	A critical review of 7 years of Mobile Device Forensics. <i>Digital Investigation</i> , 2013, 10, 323-349.	3.2	62
12	A Survey on Cluster-Based Group Key Agreement Protocols for WSNs. <i>IEEE Communications Surveys and Tutorials</i> , 2011, 13, 429-442.	39.4	60
13	A critical review of 13 years of mobile game-based learning. <i>Educational Technology Research and Development</i> , 2018, 66, 341-384.	2.8	58
14	A framework for protecting a SIP-based infrastructure against malformed message attacks. <i>Computer Networks</i> , 2007, 51, 2580-2593.	5.1	57
15	A Comprehensive Survey on Machine Learning Techniques for Android Malware Detection. <i>Information (Switzerland)</i> , 2021, 12, 185.	2.9	51
16	New facets of mobile botnet: architecture and evaluation. <i>International Journal of Information Security</i> , 2016, 15, 455-473.	3.4	50
17	Automatic Detection of Online Recruitment Frauds: Characteristics, Methods, and a Public Dataset. <i>Future Internet</i> , 2017, 9, 6.	3.8	48
18	A Survey on Mobile Malware Detection Techniques. <i>IEICE Transactions on Information and Systems</i> , 2020, E103.D, 204-211.	0.7	45

#	ARTICLE	IF	CITATIONS
19	From keyloggers to touchloggers: Take the rough with the smooth. <i>Computers and Security</i> , 2013, 32, 102-114.	6.0	44
20	Attacks and Countermeasures on 802.16: Analysis and Assessment. <i>IEEE Communications Surveys and Tutorials</i> , 2013, 15, 487-514.	39.4	39
21	TermID: a distributed swarm intelligence-based approach for wireless intrusion detection. <i>International Journal of Information Security</i> , 2017, 16, 401-416.	3.4	38
22	Empirical Evaluation of Attacks Against IEEE 802.11 Enterprise Networks: The AWID3 Dataset. <i>IEEE Access</i> , 2021, 9, 34188-34205.	4.2	38
23	Anonymity and closely related terms in the cyberspace: An analysis by example. <i>Journal of Information Security and Applications</i> , 2014, 19, 2-17.	2.5	37
24	DoS attacks exploiting signaling in UMTS and IMS. <i>Computer Communications</i> , 2011, 34, 226-235.	5.1	36
25	Advanced SSL/TLS-based authentication for secure WLAN-3G interworking. <i>IET Communications</i> , 2004, 151, 501.	1.0	33
26	A framework for identity privacy in SIP. <i>Journal of Network and Computer Applications</i> , 2010, 33, 16-28.	9.1	33
27	Lightweight algorithm for protecting SDN controller against DDoS attacks. , 2017, , .		33
28	Securing Medical Sensor Environments: The CodeBlue Framework Case. , 2007, , .		30
29	Two layer Denial of Service prevention on SIP VoIP infrastructures. <i>Computer Communications</i> , 2008, 31, 2443-2456.	5.1	30
30	Online recruitment services: another playground for fraudsters. <i>Computer Fraud and Security</i> , 2016, 2016, 8-13.	1.6	29
31	Two Anatomists Are Better than One – Dual-Level Android Malware Detection. <i>Symmetry</i> , 2020, 12, 1128.	2.2	29
32	CyberAware: A mobile game-based app for cybersecurity education and awareness. , 2015, , .		28
33	A State-of-the-Art Review on the Security of Mainstream IoT Wireless PAN Protocol Stacks. <i>Symmetry</i> , 2020, 12, 579.	2.2	27
34	A Survey on Digital Certificates Approaches for the COVID-19 Pandemic. <i>IEEE Access</i> , 2021, 9, 138003-138025.	4.2	27
35	A Fair Solution to DNS Amplification Attacks. , 2007, , .		25
36	Demystifying In-Vehicle Intrusion Detection Systems: A Survey of Surveys and a Meta-Taxonomy. <i>Electronics (Switzerland)</i> , 2022, 11, 1072.	3.1	25

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37	PrivaSIP: Ad-hoc identity privacy in SIP. <i>Computer Standards and Interfaces</i> , 2011, 33, 301-314.	5.4	23
38	A comprehensive cybersecurity learning platform for elementary education. <i>Information Security Journal</i> , 2019, 28, 81-106.	1.9	23
39	A Framework for Detecting Malformed Messages in SIP Networks. , 0, , .		22
40	A cloud-based architecture to crowdsource mobile app privacy leaks. , 2014, , .		22
41	Survey of secure handoff optimization schemes for multimedia services over all-IP wireless heterogeneous networks. <i>IEEE Communications Surveys and Tutorials</i> , 2007, 9, 18-28.	39.4	21
42	User privacy and modern mobile services: are they on the same path?. <i>Personal and Ubiquitous Computing</i> , 2013, 17, 1437-1448.	2.8	21
43	iSAM: An iPhone Stealth Airborne Malware. <i>International Federation for Information Processing</i> , 2011, , 17-28.	0.4	21
44	Industrial and Critical Infrastructure Security: Technical Analysis of Real-Life Security Incidents. <i>IEEE Access</i> , 2021, 9, 165295-165325.	4.2	21
45	Sharing Pandemic Vaccination Certificates through Blockchain: Case Study and Performance Evaluation. <i>Wireless Communications and Mobile Computing</i> , 2021, 2021, 1-12.	1.2	20
46	PrivaKERB: A user privacy framework for Kerberos. <i>Computers and Security</i> , 2011, 30, 446-463.	6.0	18
47	MILC: A secure and privacy-preserving mobile instant locator with chatting. <i>Information Systems Frontiers</i> , 2012, 14, 481-497.	6.4	18
48	Exposing mobile malware from the inside (or what is your mobile app really doing?). <i>Peer-to-Peer Networking and Applications</i> , 2014, 7, 687-697.	3.9	18
49	An efficient and easily deployable method for dealing with DoS in SIP services. <i>Computer Communications</i> , 2015, 57, 50-63.	5.1	18
50	Cybertrust in the IoT Age. <i>Computer</i> , 2018, 51, 12-15.	1.1	17
51	How is your Wi-Fi connection today? DoS attacks on WPA3-SAE. <i>Journal of Information Security and Applications</i> , 2022, 64, 103058.	2.5	17
52	Pick Quality Over Quantity: Expert Feature Selection and Data Preprocessing for 802.11 Intrusion Detection Systems. <i>IEEE Access</i> , 2022, 10, 64761-64784.	4.2	16
53	Cryptographic Key Management in Delay Tolerant Networks: A Survey. <i>Future Internet</i> , 2017, 9, 26.	3.8	14
54	Dissecting contact tracing apps in the Android platform. <i>PLoS ONE</i> , 2021, 16, e0251867.	2.5	14

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55	Security, Privacy, and Trust on Internet of Things. <i>Wireless Communications and Mobile Computing</i> , 2019, 2019, 1-3.	1.2	13
56	Using SSL/TLS in authentication and key agreement procedures of future mobile networks. , 0, , .		12
57	Efficient Certification Path Discovery for MANET. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2010, 2010, .	2.4	12
58	An extrinsic random-based ensemble approach for android malware detection. <i>Connection Science</i> , 2021, 33, 1077-1093.	3.0	12
59	Towards effective Wireless Intrusion Detection in IEEE 802.11i. , 2007, , .		11
60	An ontology-based policy for deploying secure SIP-based VoIP services. <i>Computers and Security</i> , 2008, 27, 285-297.	6.0	11
61	The Devil is in the Detail: SDP-Driven Malformed Message Attacks and Mitigation in SIP Ecosystems. <i>IEEE Access</i> , 2019, 7, 2401-2417.	4.2	11
62	Hands-Free one-Time and continuous authentication using glass wearable devices. <i>Journal of Information Security and Applications</i> , 2019, 46, 138-150.	2.5	11
63	What Email Servers Can Tell to Johnny: An Empirical Study of Provider-to-Provider Email Security. <i>IEEE Access</i> , 2020, 8, 130066-130081.	4.2	11
64	Let the Cat out of the Bag: Popular Android IoT Apps under Security Scrutiny. <i>Sensors</i> , 2022, 22, 513.	3.8	11
65	PKI-based secure mobile access to electronic health services and data. <i>Technology and Health Care</i> , 2005, 13, 511-526.	1.2	10
66	Privacy-enhanced fast re-authentication for EAP-based next generation network. <i>Computer Communications</i> , 2010, 33, 1682-1694.	5.1	10
67	A Multi-Tier Security Analysis of Official Car Management Apps for Android. <i>Future Internet</i> , 2021, 13, 58.	3.8	9
68	Clustering Oriented Architectures in Medical Sensor Environments. , 2008, , .		8
69	Design and implementation of a VoiceXML-driven wiki application for assistive environments on the web. <i>Personal and Ubiquitous Computing</i> , 2010, 14, 527-539.	2.8	8
70	Security and Privacy in Wireless and Mobile Networks. <i>Future Internet</i> , 2018, 10, 18.	3.8	8
71	Feature Importance in Android Malware Detection. , 2020, , .		8
72	Pandora: An SMS-oriented m-informational system for educational realms. <i>Journal of Network and Computer Applications</i> , 2009, 32, 684-702.	9.1	7

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73	A generic accounting scheme for next generation networks. Computer Networks, 2009, 53, 2408-2426.	5.1	7
74	Device Authentication In Wireless And Pervasive Environments. Intelligent Automation and Soft Computing, 2010, 16, 399-418.	2.1	7
75	Improving Android Malware Detection Through Dimensionality Reduction Techniques. Lecture Notes in Computer Science, 2021, , 57-72.	1.3	7
76	Caller identity privacy in SIP heterogeneous realms: A practical solution. , 2008, , .		6
77	KAMU: providing advanced user privacy in Kerberos multi-domain scenarios. International Journal of Information Security, 2013, 12, 505-525.	3.4	6
78	Mal-Warehouse: A Data Collection-as-a-Service of Mobile Malware Behavioral Patterns. , 2018, , .		6
79	Experimental Analysis of an SSL-Based AKA Mechanism in 3G-and-Beyond Wireless Networks. Wireless Personal Communications, 2004, 29, 303-321.	2.7	5
80	Binary tree based public-key management for Mobile Ad Hoc Networks. , 2008, , .		5
81	A Privacy-Preserving Entropy-Driven Framework for Tracing DoS Attacks in VoIP. , 2013, , .		5
82	Complete SIP Message Obfuscation: PrivaSIP over Tor. , 2014, , .		5
83	Android forensics: Correlation analysis. , 2014, , .		5
84	Letâ€™s Meet! A participatory-based discovery and rendezvous mobile marketing framework. Telematics and Informatics, 2015, 32, 539-563.	5.8	5
85	Realtime DDoS Detection in SIP Ecosystems: Machine Learning Tools of the Trade. Lecture Notes in Computer Science, 2016, , 126-139.	1.3	5
86	Never say never: Authoritative TLD nameserver-powered DNS amplification. , 2018, , .		5
87	WiFi0: All Your Passphrase Are Belong to Us. Computer, 2021, 54, 82-88.	1.1	5
88	A Mechanism for Ensuring the Validity and Accuracy of the Billing Services in IP Telephony. Lecture Notes in Computer Science, 2008, , 59-68.	1.3	5
89	A Competent Post-Authentication and Non-Repudiation Biometric-based Scheme for M-Learning. , 2013, , .		5
90	Support of subscribersâ€™ certificates in a hybrid WLAN-3G environment. Computer Networks, 2006, 50, 1843-1859.	5.1	4

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91	Enhancing User Privacy in Adaptive Web Sites with Client-Side User Profiles. , 2008, , .		4
92	SIPA: generic and secure accounting for SIP. Security and Communication Networks, 2012, 5, 1006-1027.	1.5	4
93	Hidden in Plain Sight. SDP-Based Covert Channel for Botnet Communication. Lecture Notes in Computer Science, 2015, , 48-59.	1.3	4
94	Two privacy enhanced context transfer schemes. , 2007, , .		3
95	Privacy preserving context transfer schemes for 4G networks. Wireless Communications and Mobile Computing, 2011, 11, 289-302.	1.2	3
96	Your WAP Is at Risk: A Vulnerability Analysis on Wireless Access Point Web-Based Management Interfaces. Security and Communication Networks, 2022, 2022, 1-24.	1.5	3
97	Privacy Protection in Context Transfer Protocol. , 2008, , .		2
98	Editorial: Developments in Security and Privacy-Preserving Mechanisms for Future Mobile Communication Networks. Mobile Networks and Applications, 2014, 19, 61-63.	3.3	2
99	Privacy Preserving Context Transfer in All-IP Networks. , 2007, , 390-395.		2
100	PKI-based secure mobile access to electronic health services and data. Technology and Health Care, 2005, 13, 511-26.	1.2	2
101	Security and Privacy issues towards ENUM protocol1. , 0, , .		1
102	Evaluation of digital certificates acquisition in large-scale 802.11-3GPP hybrid environments. , 0, , .		1
103	A pervasive wiki application based on VoiceXML. , 2008, , .		1
104	A secure and efficient authentication protocol for passive RFID tags. , 2009, , .		1
105	Exposing resource consumption attacks in internet multimedia services. , 2014, , .		1
106	SnoopyBot: An Android spyware to bridge the mixes in Tor. , 2016, , .		1
107	Neither Denied nor Exposed: Fixing WebRTC Privacy Leaks. Future Internet, 2020, 12, 92.	3.8	1
108	Neither Good nor Bad: A Large-Scale Empirical Analysis of HTTP Security Response Headers. Lecture Notes in Computer Science, 2021, , 83-95.	1.3	1

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109	A Cluster-Based Framework for the Security of Medical Sensor Environments. Lecture Notes in Computer Science, 2009, , 52-62.	1.3	1
110	A new Accounting Mechanism for Modern and Future AAA Services. International Federation for Information Processing, 2008, , 693-697.	0.4	1
111	A Speech-Enabled Assistive Collaborative Platform for Educational Purposes with User Personalization. , 2008, , .		0
112	Editorial: special issue on advances in security and privacy for future mobile communications. Electronic Commerce Research, 2019, 19, 471-475.	5.0	0
113	AISGA: Multi-objective parameters optimization for countermeasures selection through genetic algorithm. , 2021, , .		0
114	Modeling Multiple Modes of Operation with Alloy. Communications in Computer and Information Science, 2012, , 78-85.	0.5	0