Panayiotis Kotzanikolaou

List of Publications by Year
in descending order

76 papers	1,500 citations	394421 19 h-index	345221 36 g-index
77 all docs	77 docs citations	77 times ranked	1257 citing authors

#	Article	IF	Citations
1	A Survey of IoT-Enabled Cyberattacks: Assessing Attack Paths to Critical Infrastructures and Services. IEEE Communications Surveys and Tutorials, 2018, 20, 3453-3495.	39.4	261
2	TS-LoRa: Time-slotted LoRaWAN for the Industrial Internet of Things. Computer Communications, 2020, 153, 1-10.	5.1	109
3	Solving coverage problems in wireless sensor networks using cover sets. Ad Hoc Networks, 2010, 8, 400-415.	5.5	105
4	Security in IoMT Communications: A Survey. Sensors, 2020, 20, 4828.	3.8	83
5	SecMR â€“ a secure multipath routing protocol for ad hoc networks. Ad Hoc Networks, 2007, 5, 87-99.	5.5	70
6	Assessing n-order dependencies between critical infrastructures. International Journal of Critical Infrastructures, 2013, 9, 93.	0.2	63
7	Time-based critical infrastructure dependency analysis for large-scale and cross-sectoral failures. International Journal of Critical Infrastructure Protection, 2016, 12, 46-60.	4.6	62
8	Secure Transactions with Mobile Agents in Hostile Environments. Lecture Notes in Computer Science, 2000, , 289-297.	1.3	57
9	Risk mitigation strategies for critical infrastructures based on graph centrality analysis. International Journal of Critical Infrastructure Protection, 2015, 10, 34-44.	4.6	50
10	A multi-layer Criticality Assessment methodology based on interdependencies. Computers and Security, 2010, 29, 643-658.	6.0	45
11	Assessing IoT enabled cyber-physical attack paths against critical systems. Computers and Security, 2021, 107, 102316.	6.0	43
12	Risk assessment methodology for interdependent critical infrastructures. International Journal of Risk Assessment and Management, 2011, 15, 128.	0.1	36
13	A Forensics-by-Design Management Framework for Medical Devices Based on Blockchain. , 2019, , .		35
14	A Hierarchical Multi Blockchain for Fine Grained Access to Medical Data. IEEE Access, 2020, 8, 134393-134412.	4.2	28
15	Risk-Based Criticality Analysis. IFIP Advances in Information and Communication Technology, 2009, , 35-49.	0.7	27
16	Interdependencies between Critical Infrastructures: Analyzing the Risk of Cascading Effects. Lecture Notes in Computer Science, 2013, , 104-115.	1.3	24
17	Evaluating security controls against HTTP-based DDoS attacks. , 2013, , .		22
18	Cascading Effects of Common-Cause Failures in Critical Infrastructures. IFIP Advances in Information and Communication Technology, 2013, , 171-182.	0.7	22

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19	Lightweight private proximity testing for geospatial social networks. Computer Communications, 2016, 73, 263-270.	5.1	22
20	Risk Assessment Methodologies for the Internet of Medical Things: A Survey and Comparative Appraisal. IEEE Access, 2021, 9, 40049-40075.	4.2	22
21	Chord-PKI: A distributed trust infrastructure based on P2P networks. Computer Networks, 2012, 56, 378-398.	5.1	21
22	A Framework for Secure and Verifiable Logging in Public Communication Networks. Lecture Notes in Computer Science, 2006, , 273-284.	1.3	21
23	Security Awareness of the Digital Natives. Information (Switzerland), 2017, 8, 42.	2.9	19
24	A Blockchain-enabled Architecture for IoMT Device Authentication. , 2020, , .		18
25	A Dependency Analysis Model for Resilient Wide Area Measurement Systems in Smart Grid. IEEE Journal on Selected Areas in Communications, 2020, 38, 156-168.	14.0	17
26	Broadcast anonymous routing (BAR): scalable real-time anonymous communication. International Journal of Information Security, 2017, 16, 313-326.	3.4	16
27	Performance Analysis of Secure Multipath Routing Protocols for Mobile Ad Hoc Networks. Lecture Notes in Computer Science, 2005, , 269-278.	1.3	14
28	Classification and Comparison of Critical Infrastructure Protection Tools. IFIP Advances in Information and Communication Technology, 2016, , 239-255.	0.7	14
29	Towards secure online elections: models, primitives and open issues. Electronic Government, 2007, 4, 249.	0.2	13
30	A distributed privacy-preserving scheme for location-based queries. , 2010, , .		12
31	Multilayer key establishment for large-scale sensor networks. International Journal of Security and Networks, 2008, 3, 1.	0.2	11
32	Advanced Persistent Threats and Zero-Day Exploits in Industrial Internet of Things. Advanced Sciences and Technologies for Security Applications, 2019, , 47-68.	0.5	11
33	Secure and practical key establishment for distributed sensor networks. Security and Communication Networks, 2009, 2, 595-610.	1.5	9
34	Data Retention and Privacy in Electronic Communications. IEEE Security and Privacy, 2008, 6, 46-52.	1.2	8
35	On a Security-oriented Design Framework for Medical IoT Devices: The Hardware Security Perspective. , 2020, , .		8
36	Using Centrality Measures in Dependency Risk Graphs for Efficient Risk Mitigation. IFIP Advances in Information and Communication Technology, 2015, , 299-314.	0.7	8

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37	Medusa: A Supply Chain Risk Assessment Methodology. Communications in Computer and Information Science, 2015, , 79-90.	0.5	7
38	Secure log management for privacy assurance in electronic communications. Computers and Security, 2008, 27, 298-308.	6.0	5
39	Toward early warning against Internet worms based on criticalâ€sized networks. Security and Communication Networks, 2013, 6, 78-88.	1.5	5
40	Design and validation of the Medusa supply chain risk assessment methodology and system. International Journal of Critical Infrastructures, 2018, 14, 1.	0.2	5
41	Chord-PKI: Embedding a Public Key Infrastructure into the Chord Overlay Network. Lecture Notes in Computer Science, 2007, , 354-361.	1.3	5
42	Towards Secure and Practical Location Privacy through Private Equality Testing. Lecture Notes in Computer Science, 2014, , 312-325.	1.3	4
43	R-TSCH: Proactive Jamming Attack Protection for IEEE 802.15.4-TSCH Networks. , 2018, , .		4
44	Integrating Resilience in Time-based Dependency Analysis: A Large-Scale Case Study for Urban Critical Infrastructures. , 0, , .		4
45	Risk Assessment for IoT-Enabled Cyber-Physical Systems. Learning and Analytics in Intelligent Systems, 2021, , 157-173.	0.6	4
46	Private Proximity Testing on Steroids: AnÂNTRU-based Protocol. Lecture Notes in Computer Science, 2015, , 172-184.	1.3	4
47	Fair Anonymous Authentication for Location Based Services. Lecture Notes in Computer Science, 2013, , 1-14.	1.3	4
48	Using Strand Space Model to Verify the Privacy Properties of a Fair Anonymous Authentication Scheme. , 2012, , .		3
49	Association Attacks in IEEE 802.11: Exploiting WiFi Usability Features. Lecture Notes in Computer Science, 2021, , 107-123.	1.3	3
50	An Asymmetric Traceability Scheme for Copyright Protection without Trust Assumptions. Lecture Notes in Computer Science, 2001, , 186-195.	1.3	3
51	A Cybersecurity Ontology to Support Risk Information Gathering in Cyber-Physical Systems. Lecture Notes in Computer Science, 2022, , 23-39.	1.3	3
52	Modelling Human Tasks to Enhance Threat Identification in Critical Maritime Systems. , 2021, , .		3
53	An Adaptive, Situation-Based Risk Assessment and Security Enforcement Framework for the Maritime Sector. Sensors, 2022, 22, 238.	3.8	3
54	Assessing smart light enabled cyber-physical attack paths on urban infrastructures and services. Connection Science, 2022, 34, 1401-1429.	3.0	3

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55	Secure distributed intelligent networks. Computer Communications, 2006, 29, 325-336.	5.1	2
56	Impact Assessment Through Collaborative Asset Modeling: The STORM-RM Approach. Springer Proceedings in Mathematics and Statistics, 2013, , 293-304.	0.2	2
57	SCNâ€Šâ€021 achieving privacy and access control in pervasive computing environments. Security and Communication Networks, 2016, 9, 94-105.	1.5	2
58	Security in Mobile Ad Hoc Networks. , 0, , 355-374.		2
59	Risk Assessment of Multi-Order Dependencies between Critical Information and Communication Infrastructures. , 2013, , 153-172.		2
60	Towards an Unified Dependency Analysis Methodology for Wide Area Measurement Systems in Smart Grids. , 2020, , .		2
61	Integrating and Validating Maritime Transport Security Services: Initial results from the CS4EU demonstrator. , 2021, , .		2
62	Assessing Vulnerabilities and IoT-Enabled Attacks on Smart Lighting Systems. Lecture Notes in Computer Science, 2022, , 199-217.	1.3	2
63	Communication Resilience for Smart Grids Based on Dependence Graphs and Eigenspectral Analysis. IEEE Systems Journal, 2022, 16, 6558-6568.	4.6	2
64	Privacy Threats of Data Retention in Internet Communications. , 2007, , .		1
65	Computer Network Security: Basic Background and Current Issues. , 0, , 1-12.		1
66	Critical Infrastructure Protection: A Holistic Methodology for Greece. Lecture Notes in Computer Science, 2017, , 19-34.	1.3	1
67	An Experimental Analysis of Current DDoS attacks Based on a Provider Edge Router Honeynet. , 2019, , .		1
68	Preliminary design of a new approach to choose cyber exercise methodologies for critical infrastructures. , 2018, , .		0
69	Guest Editorial Special Issue on Secure Embedded IoT Devices for Resilient Critical Infrastructures. IEEE Internet of Things Journal, 2019, 6, 7988-7991.	8.7	0
70	Design and Implementation of an Anonymous and Secure Online Evaluation Protocol. Electronics (Switzerland), 2020, 9, 1415.	3.1	0
71	Evaluating Common Privacy Vulnerabilities in Internet Service Providers. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 161-170.	0.3	0
72	Enhancing Privacy-Preserving Access Control for Pervasive Computing Environments. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 53-64.	0.3	0

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73	Security and Privacy in Next Generation Networks and Services. Advances in Wireless Technologies and Telecommunication Book Series, 2016, , 361-379.	0.4	0
74	Security and Privacy in Next Generation Networks and Services. , 2016, , 1777-1795.		0
75	Resilience in Wide Area Monitoring Systems for Smart Grids. Power Systems, 2021, , 555-569.	0.5	0
76	Mobile Agent Security. , 0, , 257-269.		0