

Panayiotis Kotzanikolaou

List of Publications by Year in descending order

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Version: 2024-02-01

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 Cybersecurity Ontology to Support Risk Information Gathering in Cyber-Physical Systems. Lecture Notes in Computer Science, 2022, , 23-39. | 1.3 | 3 |
| 2 | Assessing Vulnerabilities and IoT-Enabled Attacks on Smart Lighting Systems. Lecture Notes in Computer Science, 2022, , 199-217. | 1.3 | 2 |
| 3 | An Adaptive, Situation-Based Risk Assessment and Security Enforcement Framework for the Maritime Sector. Sensors, 2022, 22, 238. | 3.8 | 3 |
| 4 | Assessing smart light enabled cyber-physical attack paths on urban infrastructures and services. Connection Science, 2022, 34, 1401-1429. | 3.0 | 3 |
| 5 | Communication Resilience for Smart Grids Based on Dependence Graphs and Eigenspectral Analysis. IEEE Systems Journal, 2022, 16, 6558-6568. | 4.6 | 2 |
| 6 | Risk Assessment Methodologies for the Internet of Medical Things: A Survey and Comparative Appraisal. IEEE Access, 2021, 9, 40049-40075. | 4.2 | 22 |
| 7 | Association Attacks in IEEE 802.11: Exploiting WiFi Usability Features. Lecture Notes in Computer Science, 2021, , 107-123. | 1.3 | 3 |
| 8 | Assessing IoT enabled cyber-physical attack paths against critical systems. Computers and Security, 2021, 107, 102316. | 6.0 | 43 |
| 9 | Risk Assessment for IoT-Enabled Cyber-Physical Systems. Learning and Analytics in Intelligent Systems, 2021, , 157-173. | 0.6 | 4 |
| 10 | Integrating and Validating Maritime Transport Security Services: Initial results from the CS4EU demonstrator. , 2021, , . | | 2 |
| 11 | Resilience in Wide Area Monitoring Systems for Smart Grids. Power Systems, 2021, , 555-569. | 0.5 | 0 |
| 12 | Modelling Human Tasks to Enhance Threat Identification in Critical Maritime Systems. , 2021, , . | | 3 |
| 13 | 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 |
| 14 | Design and Implementation of an Anonymous and Secure Online Evaluation Protocol. Electronics (Switzerland), 2020, 9, 1415. | 3.1 | 0 |
| 15 | A Hierarchical Multi Blockchain for Fine Grained Access to Medical Data. IEEE Access, 2020, 8, 134393-134412. | 4.2 | 28 |
| 16 | On a Security-oriented Design Framework for Medical IoT Devices: The Hardware Security Perspective. , 2020, , . | | 8 |
| 17 | Security in IoMT Communications: A Survey. Sensors, 2020, 20, 4828. | 3.8 | 83 |
| 18 | TS-LoRa: Time-slotted LoRaWAN for the Industrial Internet of Things. Computer Communications, 2020, 153, 1-10. | 5.1 | 109 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | A Blockchain-enabled Architecture for IoMT Device Authentication. , 2020, , . | | 18 |
| 20 | Towards an Unified Dependency Analysis Methodology for Wide Area Measurement Systems in Smart Grids. , 2020, , . | | 2 |
| 21 | 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 |
| 22 | A Forensics-by-Design Management Framework for Medical Devices Based on Blockchain. , 2019, , . | | 35 |
| 23 | 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 |
| 24 | An Experimental Analysis of Current DDoS attacks Based on a Provider Edge Router Honeynet. , 2019, , . | | 1 |
| 25 | R-TSCH: Proactive Jamming Attack Protection for IEEE 802.15.4-TSCH Networks. , 2018, , . | | 4 |
| 26 | Preliminary design of a new approach to choose cyber exercise methodologies for critical infrastructures. , 2018, , . | | 0 |
| 27 | Design and validation of the Medusa supply chain risk assessment methodology and system. International Journal of Critical Infrastructures, 2018, 14, 1. | 0.2 | 5 |
| 28 | 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 |
| 29 | Broadcast anonymous routing (BAR): scalable real-time anonymous communication. International Journal of Information Security, 2017, 16, 313-326. | 3.4 | 16 |
| 30 | Critical Infrastructure Protection: A Holistic Methodology for Greece. Lecture Notes in Computer Science, 2017, , 19-34. | 1.3 | 1 |
| 31 | Security Awareness of the Digital Natives. Information (Switzerland), 2017, 8, 42. | 2.9 | 19 |
| 32 | SCNâ€œ21 achieving privacy and access control in pervasive computing environments. Security and Communication Networks, 2016, 9, 94-105. | 1.5 | 2 |
| 33 | 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 |
| 34 | Lightweight private proximity testing for geospatial social networks. Computer Communications, 2016, 73, 263-270. | 5.1 | 22 |
| 35 | Classification and Comparison of Critical Infrastructure Protection Tools. IFIP Advances in Information and Communication Technology, 2016, , 239-255. | 0.7 | 14 |
| 36 | Security and Privacy in Next Generation Networks and Services. Advances in Wireless Technologies and Telecommunication Book Series, 2016, , 361-379. | 0.4 | 0 |

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| 37 | Security and Privacy in Next Generation Networks and Services. , 2016, , 1777-1795. | | 0 |
| 38 | Risk mitigation strategies for critical infrastructures based on graph centrality analysis. International Journal of Critical Infrastructure Protection, 2015, 10, 34-44. | 4.6 | 50 |
| 39 | Private Proximity Testing on Steroids: AnÂNTRU-based Protocol. Lecture Notes in Computer Science, 2015, , 172-184. | 1.3 | 4 |
| 40 | Medusa: A Supply Chain Risk Assessment Methodology. Communications in Computer and Information Science, 2015, , 79-90. | 0.5 | 7 |
| 41 | Using Centrality Measures in Dependency Risk Graphs for Efficient Risk Mitigation. IFIP Advances in Information and Communication Technology, 2015, , 299-314. | 0.7 | 8 |
| 42 | Towards Secure and Practical Location Privacy through Private Equality Testing. Lecture Notes in Computer Science, 2014, , 312-325. | 1.3 | 4 |
| 43 | Toward early warning against Internet worms based on criticalâ€sized networks. Security and Communication Networks, 2013, 6, 78-88. | 1.5 | 5 |
| 44 | Assessing n-order dependencies between critical infrastructures. International Journal of Critical Infrastructures, 2013, 9, 93. | 0.2 | 63 |
| 45 | Evaluating security controls against HTTP-based DDoS attacks. , 2013, , . | | 22 |
| 46 | Impact Assessment Through Collaborative Asset Modeling: The STORM-RM Approach. Springer Proceedings in Mathematics and Statistics, 2013, , 293-304. | 0.2 | 2 |
| 47 | Interdependencies between Critical Infrastructures: Analyzing the Risk of Cascading Effects. Lecture Notes in Computer Science, 2013, , 104-115. | 1.3 | 24 |
| 48 | Cascading Effects of Common-Cause Failures in Critical Infrastructures. IFIP Advances in Information and Communication Technology, 2013, , 171-182. | 0.7 | 22 |
| 49 | Risk Assessment of Multi-Order Dependencies between Critical Information and Communication Infrastructures. , 2013, , 153-172. | | 2 |
| 50 | Fair Anonymous Authentication for Location Based Services. Lecture Notes in Computer Science, 2013, , 1-14. | 1.3 | 4 |
| 51 | Using Strand Space Model to Verify the Privacy Properties of a Fair Anonymous Authentication Scheme. , 2012, , . | | 3 |
| 52 | Chord-PKI: A distributed trust infrastructure based on P2P networks. Computer Networks, 2012, 56, 378-398. | 5.1 | 21 |
| 53 | Risk assessment methodology for interdependent critical infrastructures. International Journal of Risk Assessment and Management, 2011, 15, 128. | 0.1 | 36 |
| 54 | Solving coverage problems in wireless sensor networks using cover sets. Ad Hoc Networks, 2010, 8, 400-415. | 5.5 | 105 |

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| 55 | A multi-layer Criticality Assessment methodology based on interdependencies. Computers and Security, 2010, 29, 643-658. | 6.0 | 45 |
| 56 | A distributed privacy-preserving scheme for location-based queries. , 2010, , . | | 12 |
| 57 | 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 |
| 58 | 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 |
| 59 | Secure and practical key establishment for distributed sensor networks. Security and Communication Networks, 2009, 2, 595-610. | 1.5 | 9 |
| 60 | Risk-Based Criticality Analysis. IFIP Advances in Information and Communication Technology, 2009, , 35-49. | 0.7 | 27 |
| 61 | Secure log management for privacy assurance in electronic communications. Computers and Security, 2008, 27, 298-308. | 6.0 | 5 |
| 62 | Data Retention and Privacy in Electronic Communications. IEEE Security and Privacy, 2008, 6, 46-52. | 1.2 | 8 |
| 63 | Multilayer key establishment for large-scale sensor networks. International Journal of Security and Networks, 2008, 3, 1. | 0.2 | 11 |
| 64 | Towards secure online elections: models, primitives and open issues. Electronic Government, 2007, 4, 249. | 0.2 | 13 |
| 65 | Privacy Threats of Data Retention in Internet Communications. , 2007, , . | | 1 |
| 66 | SecMR – a secure multipath routing protocol for ad hoc networks. Ad Hoc Networks, 2007, 5, 87-99. | 5.5 | 70 |
| 67 | Chord-PKI: Embedding a Public Key Infrastructure into the Chord Overlay Network. Lecture Notes in Computer Science, 2007, , 354-361. | 1.3 | 5 |
| 68 | Secure distributed intelligent networks. Computer Communications, 2006, 29, 325-336. | 5.1 | 2 |
| 69 | A Framework for Secure and Verifiable Logging in Public Communication Networks. Lecture Notes in Computer Science, 2006, , 273-284. | 1.3 | 21 |
| 70 | Performance Analysis of Secure Multipath Routing Protocols for Mobile Ad Hoc Networks. Lecture Notes in Computer Science, 2005, , 269-278. | 1.3 | 14 |
| 71 | An Asymmetric Traceability Scheme for Copyright Protection without Trust Assumptions. Lecture Notes in Computer Science, 2001, , 186-195. | 1.3 | 3 |
| 72 | Secure Transactions with Mobile Agents in Hostile Environments. Lecture Notes in Computer Science, 2000, , 289-297. | 1.3 | 57 |

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| 73 | Computer Network Security: Basic Background and Current Issues. , 0, , 1-12. | | 1 |
| 74 | Integrating Resilience in Time-based Dependency Analysis: A Large-Scale Case Study for Urban Critical Infrastructures. , 0, , . | | 4 |
| 75 | Security in Mobile Ad Hoc Networks. , 0, , 355-374. | | 2 |
| 76 | Mobile Agent Security. , 0, , 257-269. | | 0 |