

Mauro Conti

List of Publications by Year in descending order

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Version: 2024-02-01

418
papers

14,116
citations

44444

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46524

93
g-index

434
all docs

434
docs citations

434
times ranked

11304
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Eunomia: Anonymous and Secure Vehicular Digital Forensics Based on Blockchain. IEEE Transactions on Dependable and Secure Computing, 2023, 20, 225-241. | 3.7 | 19 |
| 2 | Comparing the Impact of Social Media Regulations on News Consumption. IEEE Transactions on Computational Social Systems, 2023, 10, 1252-1262. | 3.2 | 6 |
| 3 | Adaptive Intrusion Detection in Edge Computing Using Cerebellar Model Articulation Controller and Spline Fit. IEEE Transactions on Services Computing, 2023, 16, 900-912. | 3.2 | 2 |
| 4 | Assessment of Routing Attacks and Mitigation Techniques with RPL Control Messages: A Survey. ACM Computing Surveys, 2023, 55, 1-36. | 16.1 | 19 |
| 5 | SEnD: A Social Network Friendship Enhanced Decentralized System to Circumvent Censorships. IEEE Transactions on Services Computing, 2022, 15, 346-360. | 3.2 | 1 |
| 6 | Blockchain-Based Data Storage With Privacy and Authentication in Internet of Things. IEEE Internet of Things Journal, 2022, 9, 14203-14215. | 5.5 | 28 |
| 7 | Covert Channel-Based Transmitter Authentication in Controller Area Networks. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 2665-2679. | 3.7 | 4 |
| 8 | DHACS: Smart Contract-Based Decentralized Hybrid Access Control for Industrial Internet-of-Things. IEEE Transactions on Industrial Informatics, 2022, 18, 3452-3461. | 7.2 | 16 |
| 9 | Invoice #31415 attached: Automated analysis of malicious Microsoft Office documents. Computers and Security, 2022, 114, 102582. | 4.0 | 9 |
| 10 | AutoSec: Secure Automotive Data Transmission Scheme for In-Vehicle Networks. , 2022, , . | | 4 |
| 11 | Quantifying Location Privacy for Navigation Services in Sustainable Vehicular Networks. IEEE Transactions on Green Communications and Networking, 2022, 6, 1267-1275. | 3.5 | 6 |
| 12 | Modern Authentication Schemes in Smartphones and IoT Devices: An Empirical Survey. IEEE Internet of Things Journal, 2022, 9, 7639-7663. | 5.5 | 4 |
| 13 | The Rise of ICS Malware: A Comparative Analysis. Lecture Notes in Computer Science, 2022, , 496-511. | 1.0 | 0 |
| 14 | A machine learning-based approach to detect threats in bio-cyber DNA storage systems. Computer Communications, 2022, 187, 59-70. | 3.1 | 2 |
| 15 | SETCAP: Service-Based Energy-Efficient Temporal Credential Authentication Protocol for Internet of Drones. Computer Networks, 2022, 206, 108804. | 3.2 | 7 |
| 16 | Effect of DIS Attack on 6TiSCH Network Formation. IEEE Communications Letters, 2022, 26, 1190-1193. | 2.5 | 11 |
| 17 | Demystifying the Transferability of Adversarial Attacks in Computer Networks. IEEE Transactions on Network and Service Management, 2022, 19, 3387-3400. | 3.2 | 15 |
| 18 | Misinformation Detection on Social Media: Challenges and the Road Ahead. IT Professional, 2022, 24, 34-40. | 1.4 | 5 |

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| 19 | User-Defined Privacy-Preserving Traffic Monitoring Against n-by-1 Jamming Attack. IEEE/ACM Transactions on Networking, 2022, 30, 2060-2073. | 2.6 | 10 |
| 20 | Research Trends, Challenges, and Emerging Topics in Digital Forensics: A Review of Reviews. IEEE Access, 2022, 10, 25464-25493. | 2.6 | 36 |
| 21 | Formal model for inter-component communication and its security in android. Computing (Vienna/New York), 2022, 104, 1839-1865. | 3.2 | 3 |
| 22 | A survey on security challenges and solutions in the IOTA. Journal of Network and Computer Applications, 2022, 203, 103383. | 5.8 | 31 |
| 23 | Should I Mine or Should I Break: On the Worthiness of Brute-Forcing Cryptocurrency Addresses. , 2022, , . | | 0 |
| 24 | Privacy-Friendly De-authentication with BLUFADE: Blurred Face Detection. , 2022, , . | | 2 |
| 25 | What you see is not what you get. , 2022, , . | | 0 |
| 26 | A comprehensive survey of authentication methods in Internet-of-Things and its conjunctions. Journal of Network and Computer Applications, 2022, 204, 103414. | 5.8 | 17 |
| 27 | A survey and taxonomy of consensus protocols for blockchains. Journal of Systems Architecture, 2022, 127, 102503. | 2.5 | 24 |
| 28 | Software defined network-based HTTP flooding attack defender. Computers and Electrical Engineering, 2022, 101, 108019. | 3.0 | 4 |
| 29 | COVID-19 infodemic on Facebook and containment measures in Italy, United Kingdom and New Zealand. PLoS ONE, 2022, 17, e0267022. | 1.1 | 7 |
| 30 | SENECAN: Secure KEy Distribution OvEr CAN Through Watermarking and Jamming. IEEE Transactions on Dependable and Secure Computing, 2022, , 1-1. | 3.7 | 1 |
| 31 | A PLS-HECC-based device authentication and key agreement scheme for smart home networks. Computer Networks, 2022, 216, 109077. | 3.2 | 6 |
| 32 | Do not let Next-Intent Vulnerability be your next nightmare: type system-based approach to detect it in Android apps. International Journal of Information Security, 2021, 20, 39-58. | 2.3 | 8 |
| 33 | ChoKIFA+: an early detection and mitigation approach against interest flooding attacks in NDN. International Journal of Information Security, 2021, 20, 269-285. | 2.3 | 10 |
| 34 | Defeating Lattice-Based Data Hiding Code Via Decoding Security Hole. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 76-87. | 5.6 | 7 |
| 35 | Truck platoon security: State-of-the-art and road ahead. Computer Networks, 2021, 185, 107658. | 3.2 | 22 |
| 36 | LEChain: A blockchain-based lawful evidence management scheme for digital forensics. Future Generation Computer Systems, 2021, 115, 406-420. | 4.9 | 68 |

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| 37 | SPO: A Secure and Performance-aware Optimization for MapReduce Scheduling. Journal of Network and Computer Applications, 2021, 176, 102944. | 5.8 | 11 |
| 38 | AEGIS: Detection and Mitigation of TCP SYN Flood on SDN Controller. IEEE Transactions on Network and Service Management, 2021, 18, 745-759. | 3.2 | 18 |
| 39 | Editorial: Special issue on trusted Cloud-Edges computations. Future Generation Computer Systems, 2021, 114, 661-664. | 4.9 | 0 |
| 40 | Privacy for 5G-Supported Vehicular Networks. IEEE Open Journal of the Communications Society, 2021, 2, 1935-1956. | 4.4 | 4 |
| 41 | Introduction to the Special Issue on Security and Privacy for Connected Cyber-physical Systems. ACM Transactions on Cyber-Physical Systems, 2021, 5, 1-2. | 1.9 | 1 |
| 42 | Cyber Forensics for CPS. , 2021, , 1-3. | | 1 |
| 43 | TEL: Low-Latency Failover Traffic Engineering in Data Plane. IEEE Transactions on Network and Service Management, 2021, 18, 4697-4710. | 3.2 | 9 |
| 44 | A Survey on Industrial Control System Testbeds and Datasets for Security Research. IEEE Communications Surveys and Tutorials, 2021, 23, 2248-2294. | 24.8 | 70 |
| 45 | Anonymous and Verifiable Reputation System for E-Commerce Platforms Based on Blockchain. IEEE Transactions on Network and Service Management, 2021, 18, 4434-4449. | 3.2 | 26 |
| 46 | Distributed denial of service attacks in cloud: State-of-the-art of scientific and commercial solutions. Computer Science Review, 2021, 39, 100332. | 10.2 | 34 |
| 47 | Editorial for the Special Issue on Sustainable Cyber Forensics and Threat Intelligence. IEEE Transactions on Sustainable Computing, 2021, 6, 182-183. | 2.2 | 0 |
| 48 | Contact Tracing Made Un-relay-able. , 2021, , . | | 8 |
| 49 | Improving Password Guessing via Representation Learning. , 2021, , . | | 23 |
| 50 | A threat model method for ICS malware. , 2021, , . | | 10 |
| 51 | An SDN-based framework for QoS routing in internet of underwater things. Telecommunication Systems, 2021, 78, 253-266. | 1.6 | 14 |
| 52 | Looking Through Walls: Inferring Scenes from Video-Surveillance Encrypted Traffic. , 2021, , . | | 0 |
| 53 | FADIA. , 2021, , . | | 5 |
| 54 | USB powered devices: A survey of side-channel threats and countermeasures. High-Confidence Computing, 2021, 1, 100007. | 2.2 | 9 |

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| 55 | A holistic approach to power efficiency in a clock offset based Intrusion Detection Systems for Controller Area Networks. Pervasive and Mobile Computing, 2021, 73, 101385. | 2.1 | 7 |
| 56 | DETONAR: Detection of Routing Attacks in RPL-Based IoT. IEEE Transactions on Network and Service Management, 2021, 18, 1178-1190. | 3.2 | 50 |
| 57 | It's a Matter of Style: Detecting Social Bots through Writing Style Consistency. , 2021, , . | | 2 |
| 58 | Vulnerabilities in Android webview objects: Still not the end!. Computers and Security, 2021, 109, 102395. | 4.0 | 5 |
| 59 | Assessing the Use of Insecure ICS Protocols via IXP Network Traffic Analysis. , 2021, , . | | 7 |
| 60 | Internet-of-Forensic (IoF): A blockchain based digital forensics framework for IoT applications. Future Generation Computer Systems, 2021, 120, 13-25. | 4.9 | 53 |
| 61 | ICN PATTA: ICN Privacy Attack Through Traffic Analysis. , 2021, , . | | 1 |
| 62 | BCHealth: A Novel Blockchain-based Privacy-Preserving Architecture for IoT Healthcare Applications. Computer Communications, 2021, 180, 31-47. | 3.1 | 57 |
| 63 | 5G Security Challenges and Solutions: A Review by OSI Layers. IEEE Access, 2021, 9, 116294-116314. | 2.6 | 28 |
| 64 | Online Advertising Security: Issues, Taxonomy, and Future Directions. IEEE Communications Surveys and Tutorials, 2021, 23, 2494-2524. | 24.8 | 9 |
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| 68 | On the feasibility of crawling-based attacks against recommender systems. Journal of Computer Security, 2021, , 1-23. | 0.5 | 0 |
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| 71 | Towards An Enhanced Reputation System for IOTA's Coordicide. , 2021, , . | | 2 |
| 72 | A Novel Stealthy Attack to Gather SDN Configuration-Information. IEEE Transactions on Emerging Topics in Computing, 2020, 8, 328-340. | 3.2 | 10 |

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| 73 | Privacy Aware Data Deduplication for Side Channel in Cloud Storage. IEEE Transactions on Cloud Computing, 2020, 8, 597-609. | 3.1 | 17 |
| 74 | A Realistic Model for Failure Propagation in Interdependent Cyber-Physical Systems. IEEE Transactions on Network Science and Engineering, 2020, 7, 817-831. | 4.1 | 34 |
| 75 | TARE: Topology Adaptive Re-keying scheme for secure group communication in IoT networks. Wireless Networks, 2020, 26, 2449-2463. | 2.0 | 13 |
| 76 | Context-based Co-presence detection techniques: A survey. Computers and Security, 2020, 88, 101652. | 4.0 | 8 |
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| 78 | BAS-VAS: A Novel Secure Protocol for Value Added Service Delivery to Mobile Devices. IEEE Transactions on Information Forensics and Security, 2020, 15, 1470-1485. | 4.5 | 4 |
| 79 | <i>PermPair</i>: Android Malware Detection Using Permission Pairs. IEEE Transactions on Information Forensics and Security, 2020, 15, 1968-1982. | 4.5 | 97 |
| 80 | Cryptomining Cannot Change Its Spots: Detecting Covert Cryptomining Using Magnetic Side-Channel. IEEE Transactions on Information Forensics and Security, 2020, 15, 1630-1639. | 4.5 | 11 |
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| 82 | Deep and broad URL feature mining for android malware detection. Information Sciences, 2020, 513, 600-613. | 4.0 | 40 |
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| 85 | Security issues and challenges in V2X: A Survey. Computer Networks, 2020, 169, 107093. | 3.2 | 117 |
| 86 | STRIDE: Scalable and Secure Over-The-Air Software Update Scheme for Autonomous Vehicles. , 2020, , . | | 11 |
| 87 | SHeFU: Secure Hardware-Enabled Protocol for Firmware Updates. , 2020, , . | | 3 |
| 88 | TAMBUS: A novel authentication method through covert channels for securing industrial networks. Computer Networks, 2020, 183, 107583. | 3.2 | 8 |
| 89 | Collective Remote Attestation at the Internet of Things Scale: State-of-the-Art and Future Challenges. IEEE Communications Surveys and Tutorials, 2020, 22, 2447-2461. | 24.8 | 35 |
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| 91 | TMaR: a two-stage MapReduce scheduler for heterogeneous environments. <i>Human-centric Computing and Information Sciences</i> , 2020, 10, . | 6.1 | 4 |
| 92 | Private Blockchain in Industrial IoT. <i>IEEE Network</i> , 2020, 34, 76-77. | 4.9 | 13 |
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| 94 | UAVs Path Deviation Attacks: Survey and Research Challenges. , 2020, , . | | 7 |
| 95 | Proof of Evolution: leveraging blockchain mining for a cooperative execution of Genetic Algorithms. , 2020, , . | | 10 |
| 96 | Detection of algorithmically-generated domains: An adversarial machine learning approach. <i>Computer Communications</i> , 2020, 160, 661-673. | 3.1 | 17 |
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| 98 | A Proactive Cache Privacy Attack on NDN. , 2020, , . | | 6 |
| 99 | The Road Ahead for Networking: A Survey on ICN-IP Coexistence Solutions. <i>IEEE Communications Surveys and Tutorials</i> , 2020, 22, 2104-2129. | 24.8 | 20 |
| 100 | BitProb: Probabilistic Bit Signatures for Accurate Application Identification. <i>IEEE Transactions on Network and Service Management</i> , 2020, 17, 1730-1741. | 3.2 | 13 |
| 101 | On defending against label flipping attacks on malware detection systems. <i>Neural Computing and Applications</i> , 2020, 32, 14781-14800. | 3.2 | 37 |
| 102 | Can machine learning model with static features be fooled: an adversarial machine learning approach. <i>Cluster Computing</i> , 2020, 23, 3233-3253. | 3.5 | 19 |
| 103 | SPARK: Secure Pseudorandom Key-based Encryption for Deduplicated Storage. <i>Computer Communications</i> , 2020, 154, 148-159. | 3.1 | 1 |
| 104 | Blockchain-Enabled Secure Energy Trading With Verifiable Fairness in Industrial Internet of Things. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 6564-6574. | 7.2 | 115 |
| 105 | DISPERSE: A Decentralized Architecture for Content Replication Resilient to Node Failures. <i>IEEE Transactions on Network and Service Management</i> , 2020, 17, 201-212. | 3.2 | 0 |
| 106 | Machine Learning for Web Vulnerability Detection: The Case of Cross-Site Request Forgery. <i>IEEE Security and Privacy</i> , 2020, 18, 8-16. | 1.5 | 14 |
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| 108 | SARA: Secure Asynchronous Remote Attestation for IoT Systems. <i>IEEE Transactions on Information Forensics and Security</i> , 2020, 15, 3123-3136. | 4.5 | 41 |

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| 110 | One-Time, Oblivious, and Unlinkable Query Processing Over Encrypted Data on Cloud. Lecture Notes in Computer Science, 2020, , 350-365. | 1.0 | 8 |
| 111 | Effectiveness of state-of-the-art dynamic analysis techniques in identifying diverse Android malware and future enhancements. Advances in Computers, 2020, , 73-120. | 1.2 | 10 |
| 112 | A robust multicast communication protocol for Low power and Lossy networks. Journal of Network and Computer Applications, 2020, 164, 102675. | 5.8 | 8 |
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| 114 | Peek-a-boo. , 2020, , . | | 118 |
| 115 | Big Enough to Care Not Enough to Scare! Crawling to Attack Recommender Systems. Lecture Notes in Computer Science, 2020, , 165-184. | 1.0 | 1 |
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| 128 | A Survey on Homomorphic Encryption Schemes. ACM Computing Surveys, 2019, 51, 1-35. | 16.1 | 544 |
| 129 | Fast multi-hop broadcast of alert messages in VANETs: An analytical model. Ad Hoc Networks, 2019, 82, 126-133. | 3.4 | 19 |
| 130 | FOCAN: A Fog-supported smart city network architecture for management of applications in the Internet of Everything environments. Journal of Parallel and Distributed Computing, 2019, 132, 274-283. | 2.7 | 160 |
| 131 | LiMCA: an optimal clustering algorithm for lifetime maximization of internet of things. Wireless Networks, 2019, 25, 4459-4477. | 2.0 | 22 |
| 132 | Guest Editorial Special Issue on Security and Forensics of Internet of Things: Problems and Solutions. IEEE Internet of Things Journal, 2019, 6, 6363-6367. | 5.5 | 0 |
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| 134 | Evaluation of Machine Learning Algorithms for Anomaly Detection in Industrial Networks. , 2019, , . | | 23 |
| 135 | DNA Molecular Storage System: Transferring Digitally Encoded Information through Bacterial Nanonetworks. IEEE Transactions on Emerging Topics in Computing, 2019, , 1-1. | 3.2 | 12 |
| 136 | SYNâ€Guard: An effective counter for SYN flooding attack in softwareâ€defined networking. International Journal of Communication Systems, 2019, 32, e4061. | 1.6 | 14 |
| 137 | PILOT: Password and PIN information leakage from obfuscated typing videos1. Journal of Computer Security, 2019, 27, 405-425. | 0.5 | 7 |
| 138 | ECCAuth: A Secure Authentication Protocol for Demand Response Management in a Smart Grid System. IEEE Transactions on Industrial Informatics, 2019, 15, 6572-6582. | 7.2 | 79 |
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| 141 | Joint failure recovery, fault prevention, and energy-efficient resource management for real-time SFC in fog-supported SDN. Computer Networks, 2019, 162, 106850. | 3.2 | 32 |
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| 143 | KingFisher. , 2019, , . | | 4 |
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| 146 | RADIS: Remote Attestation of Distributed IoT Services. , 2019, , . | | 16 |
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| 149 | Detecting ADS-B Spoofing Attacks Using Deep Neural Networks. , 2019, , . | | 33 |
| 150 | Mitch: A Machine Learning Approach to the Black-Box Detection of CSRF Vulnerabilities. , 2019, , . | | 18 |
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| 152 | Threat is in the Air. , 2019, , . | | 9 |
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| 157 | Lightweight solutions to counter DDoS attacks in software defined networking. Wireless Networks, 2019, 25, 2751-2768. | 2.0 | 35 |
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| 159 | Efficient physical intrusion detection in Internet of Things: A Node deployment approach. Computer Networks, 2019, 154, 28-46. | 3.2 | 15 |
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| 162 | Key Management Systems for Smart Grid Advanced Metering Infrastructure: A Survey. IEEE Communications Surveys and Tutorials, 2019, 21, 2831-2848. | 24.8 | 171 |

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| 165 | SACHa: Self-Attestation of Configurable Hardware. , 2019, , . | | 11 |
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| 167 | Special Issue on Big Data Applications in Cyber Security and Threat Intelligence â€œ Part 2. IEEE Transactions on Big Data, 2019, 5, 423-424. | 4.4 | 1 |
| 168 | Special Issue on Big Data Applications in Cyber Security and Threat Intelligence â€œ Part 1. IEEE Transactions on Big Data, 2019, 5, 279-281. | 4.4 | 4 |
| 169 | SoFA: A Spark-oriented Fog Architecture. , 2019, , . | | 11 |
| 170 | DISC: A Novel Distributed On-Demand Clustering Protocol for Internet of Multimedia Things. , 2019, , . | | 2 |
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| 172 | LISA: Lightweight context-aware IoT service architecture. Journal of Cleaner Production, 2019, 212, 1345-1356. | 4.6 | 41 |
| 173 | SAND: Social-aware, network-failure resilient, and decentralized microblogging system. Future Generation Computer Systems, 2019, 93, 637-650. | 4.9 | 4 |
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| 184 | ChoKIFA: A New Detection and Mitigation Approach Against Interest Flooding Attacks in NDN. Lecture Notes in Computer Science, 2019, , 53-65. | 1.0 | 9 |
| 185 | Blockchain Trilemma Solver Algorand has Dilemma over Undecidable Messages. , 2019, , . | | 15 |
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| 187 | CoMon-DAS: A Framework for Efficient and Robust Dynamic Adaptive Streaming over NDN. , 2019, , . | | 2 |
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| 189 | Advertising in the IoT Era: Vision and Challenges. IEEE Communications Magazine, 2018, 56, 138-144. | 4.9 | 75 |
| 190 | Detecting Android Malware Leveraging Text Semantics of Network Flows. IEEE Transactions on Information Forensics and Security, 2018, 13, 1096-1109. | 4.5 | 106 |
| 191 | Security and Privacy Analysis of National Science Foundation Future Internet Architectures. IEEE Communications Surveys and Tutorials, 2018, 20, 1418-1442. | 24.8 | 24 |
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