

Nikolaos Komninos

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

1,165
citations

687363

13
h-index

580821

25
g-index

54
all docs

54
docs citations

54
times ranked

1204
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | FeSA: Feature selection architecture for ransomware detection under concept drift. Computers and Security, 2022, 116, 102659. | 6.0 | 13 |
| 2 | Efficient optimisation framework for convolutional neural networks with secure multiparty computation. Computers and Security, 2022, 117, 102679. | 6.0 | 5 |
| 3 | Trustee: A Trust Management System for Fog-Enabled Cyber Physical Systems. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 2030-2041. | 4.6 | 21 |
| 4 | A Secure Integrated Framework for Fog-Assisted Internet-of-Things Systems. IEEE Internet of Things Journal, 2021, 8, 6840-6852. | 8.7 | 6 |
| 5 | A Lightweight Attribute-Based Security Scheme for Fog-Enabled Cyber Physical Systems. Wireless Communications and Mobile Computing, 2020, 2020, 1-18. | 1.2 | 6 |
| 6 | A Study on the Evolution of Ransomware Detection Using Machine Learning and Deep Learning Techniques. IoT, 2020, 1, 551-604. | 3.8 | 30 |
| 7 | Modelling the Spread of Botnet Malware in IoT-Based Wireless Sensor Networks. Security and Communication Networks, 2019, 2019, 1-13. | 1.5 | 43 |
| 8 | ForChaos: Real Time Application DDoS Detection Using Forecasting and Chaos Theory in Smart Home IoT Network. Wireless Communications and Mobile Computing, 2019, 2019, 1-14. | 1.2 | 34 |
| 9 | BVPSMS: A Batch Verification Protocol for End-to-End Secure SMS for Mobile Users. IEEE Transactions on Dependable and Secure Computing, 2018, , 1-1. | 5.4 | 6 |
| 10 | Modelling Botnet Propagation in Networks with Layered Defences. , 2018, , . | | 3 |
| 11 | Evaluating the Provision of Botnet Defences using Translational Research Concepts. , 2018, , . | | 0 |
| 12 | Evaluating the Provision of Botnet Defences using Translational Research Concepts. , 2018, , . | | 0 |
| 13 | Event graphs for the observation of botnet traffic. , 2017, , . | | 2 |
| 14 | Adaptation of a Conference Key Distribution System for the wireless ad hoc network. , 2017, , . | | 0 |
| 15 | Privacy concerns in sharing personal consumption data through online applications. , 2016, , . | | 0 |
| 16 | Survey of approaches and features for the identification of HTTP-based botnet traffic. Journal of Network and Computer Applications, 2016, 76, 1-15. | 9.1 | 46 |
| 17 | Current and future threats framework in smart grid domain. , 2015, , . | | 16 |
| 18 | Privacy Preserving Attribute Based Encryption for Multiple Cloud Collaborative Environment. , 2015, , . | | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | The lord of the sense: A privacy preserving reputation system for participatory sensing applications. , 2014, , . | | 24 |
| 20 | Survey in Smart Grid and Smart Home Security: Issues, Challenges and Countermeasures. IEEE Communications Surveys and Tutorials, 2014, 16, 1933-1954. | 39.4 | 447 |
| 21 | A New Framework Architecture for Next Generation e-Health Services. IEEE Journal of Biomedical and Health Informatics, 2013, 17, 9-18. | 6.3 | 57 |
| 22 | SAnoVS: Secure anonymous voting scheme for clustered ad hoc networks. , 2013, , . | | 2 |
| 23 | Ubiquitous Healthcare Profile Management Applying Smart Card Technology. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 248-255. | 0.3 | 5 |
| 24 | Degree-Based Clustering Algorithms for Wireless Ad Hoc Networks Under Attack. IEEE Communications Letters, 2012, 16, 619-621. | 4.1 | 26 |
| 25 | Vulnerabilities of Decentralized Additive Reputation Systems Regarding the Privacy of Individual Votes. Wireless Personal Communications, 2012, 66, 559-575. | 2.7 | 10 |
| 26 | NAVI: Novel authentication with visual information. , 2012, , . | | 7 |
| 27 | Secure & trusted communication in emergency situations. , 2012, , . | | 7 |
| 28 | PKI Security in Large-Scale Healthcare Networks. Journal of Medical Systems, 2012, 36, 1107-1116. | 3.6 | 8 |
| 29 | Privacy-preserving scheme for mobile ad hoc networks. , 2011, , . | | 8 |
| 30 | Multiplayer game for DDoS attacks resilience in ad hoc networks. , 2011, , . | | 9 |
| 31 | User dependent cryptography for security in future mobile telecommunication systems. , 2011, , . | | 0 |
| 32 | Mitigate DoS and DDoS Attack in Mobile Ad Hoc Networks. International Journal of Digital Crime and Forensics, 2011, 3, 14-36. | 0.7 | 8 |
| 33 | PEA: Polymorphic Encryption Algorithm based on quantum computation. International Journal of Systems, Control and Communications, 2011, 3, 1. | 0.3 | 1 |
| 34 | A new framework for ubiquitous context-aware healthcare applications. , 2010, , . | | 10 |
| 35 | New client puzzle approach for DoS resistance in ad hoc Networks. , 2010, , . | | 18 |
| 36 | Security for Ad Hoc Networks. , 2010, , 421-432. | | 1 |

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|----|---|-----|-----------|
| 37 | Empirical Study of Clustering Algorithms for Wireless Ad Hoc Networks. , 2009, , . | | 1 |
| 38 | LIDF: Layered intrusion detection framework for ad-hoc networks. Ad Hoc Networks, 2009, 7, 171-182. | 5.5 | 28 |
| 39 | Integrity mechanism for eHealth tele-monitoring system in smart home environment. , 2009, 2009, 3509-12. | | 10 |
| 40 | Consistent Re-Clustering in Mobile Ad Hoc Networks. , 2008, , . | | 2 |
| 41 | Efficient group key agreement & recovery in ad hoc networks. , 2008, , . | | 1 |
| 42 | Protecting Biometric Templates with Image Watermarking Techniques. Lecture Notes in Computer Science, 2007, , 114-123. | 1.3 | 31 |
| 43 | Intrusion Detection with Neural Networks and Watermarking Techniques for MANET. , 2007, , . | | 27 |
| 44 | Multifold node authentication in mobile ad hoc networks. International Journal of Communication Systems, 2007, 20, 1391-1406. | 2.5 | 7 |
| 45 | Authentication in a layered security approach for mobile ad hoc networks. Computers and Security, 2007, 26, 373-380. | 6.0 | 12 |
| 46 | Detecting unauthorized and compromised nodes in mobile ad hoc networks. Ad Hoc Networks, 2007, 5, 289-298. | 5.5 | 48 |
| 47 | Layered security design for mobile ad hoc networks. Computers and Security, 2006, 25, 121-130. | 6.0 | 28 |
| 48 | Security enhancements for A5/1 without losing hardware efficiency in future mobile systems. , 2002, , . | | 2 |
| 49 | Novel methods for enabling public key schemes in future mobile systems. , 2002, , . | | 0 |
| 50 | Modified WAP for secure voice and video communication. , 2001, , . | | 1 |
| 51 | An Efficient Stream Cipher Alpha1 for Mobile and Wireless Devices. Lecture Notes in Computer Science, 2001, , 294-300. | 1.3 | 4 |
| 52 | Security in Smart Home Environment. , 0, , 170-191. | | 27 |
| 53 | PKI Systems. , 0, , 409-418. | | 0 |