Nikolaos Komninos

List of Publications by Year
in descending order

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	Survey in Smart Grid and Smart Home Security: Issues, Challenges and Countermeasures. IEEE Communications Surveys and Tutorials, 2014, 16, 1933-1954.	39.4	447
2	A New Framework Architecture for Next Generation e-Health Services. IEEE Journal of Biomedical and Health Informatics, 2013, 17, 9-18.	6.3	57
3	Detecting unauthorized and compromised nodes in mobile ad hoc networks. Ad Hoc Networks, 2007, 5, 289-298.	5.5	48
4	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
5	Modelling the Spread of Botnet Malware in IoT-Based Wireless Sensor Networks. Security and Communication Networks, 2019, 2019, 1-13.	1.5	43
6	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
7	Protecting Biometric Templates with Image Watermarking Techniques. Lecture Notes in Computer Science, 2007, , 114-123.	1.3	31
8	A Study on the Evolution of Ransomware Detection Using Machine Learning and Deep Learning Techniques. IoT, 2020, 1, 551-604.	3.8	30
9	Layered security design for mobile ad hoc networks. Computers and Security, 2006, 25, 121-130.	6.0	28
10	LIDF: Layered intrusion detection framework for ad-hoc networks. Ad Hoc Networks, 2009, 7, 171-182.	5.5	28
11	Intrusion Detection with Neural Networks and Watermarking Techniques for MANET. , 2007, , .		27
12	Security in Smart Home Environment. , 0, , 170-191.		27
13	Degree-Based Clustering Algorithms for Wireless Ad Hoc Networks Under Attack. IEEE Communications Letters, 2012, 16, 619-621.	4.1	26
14	The lord of the sense: A privacy preserving reputation system for participatory sensing applications. , 2014, , .		24
15	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
16	New client puzzle approach for DoS resistance in ad hoc Networks. , 2010, , .		18
17	Current and future threats framework in smart grid domain. , 2015, , .		16
18	FeSA: Feature selection architecture for ransomware detection under concept drift. Computers and Security, 2022, 116, 102659.	6.0	13

#	Article	IF	Citations
19	Authentication in a layered security approach for mobile ad hoc networks. Computers and Security, 2007, 26, 373-380.	6.0	12
20	Integrity mechanism for eHealth tele-monitoring system in smart home environment. , 2009, 2009, 3509-12.		10
21	A new framework for ubiquitous context-aware healthcare applications. , 2010, , .		10
22	Vulnerabilities of Decentralized Additive Reputation Systems Regarding the Privacy of Individual Votes. Wireless Personal Communications, 2012, 66, 559-575.	2.7	10
23	Multiplayer game for DDoS attacks resilience in ad hoc networks. , 2011, , .		9
24	Privacy-preserving scheme for mobile ad hoc networks. , 2011, , .		8
25	Mitigate DoS and DDoS Attack in Mobile Ad Hoc Networks. International Journal of Digital Crime and Forensics, 2011, 3, 14-36.	0.7	8
26	PKI Security in Large-Scale Healthcare Networks. Journal of Medical Systems, 2012, 36, 1107-1116.	3.6	8
27	Multifold node authentication in mobilead hoc networks. International Journal of Communication Systems, 2007, 20, 1391-1406.	2.5	7
28	NAVI: Novel authentication with visual information. , 2012, , .		7
29	Secure &amp; trusted communication in emergency situations. , 2012, , .		7
30	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
31	A Lightweight Attribute-Based Security Scheme for Fog-Enabled Cyber Physical Systems. Wireless Communications and Mobile Computing, 2020, 2020, 1-18.	1.2	6
32	A Secure Integrated Framework for Fog-Assisted Internet-of-Things Systems. IEEE Internet of Things Journal, 2021, 8, 6840-6852.	8.7	6
33	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
34	Efficient optimisation framework for convolutional neural networks with secure multiparty computation. Computers and Security, 2022, 117, 102679.	6.0	5
35	An Efficient Stream Cipher Alpha1 for Mobile and Wireless Devices. Lecture Notes in Computer Science, 2001, , 294-300.	1.3	4
36	Privacy Preserving Attribute Based Encryption for Multiple Cloud Collaborative Environment. , 2015, , .		4

#	Article	IF	Citations
37	Modelling Botnet Propagation in Networks with Layered Defences. , 2018, , .		3
38	Security enhancements for A5/1 without losing hardware efficiency in future mobile systems. , 2002, , .		2
39	Consistent Re-Clustering in Mobile Ad Hoc Networks. , 2008, , .		2
40	SAnoVS: Secure anonymous voting scheme for clustered ad hoc networks. , 2013, , .		2
41	Event graphs for the observation of botnet traffic. , 2017, , .		2
42	Efficient group key agreement & recovery in ad hoc networks. , 2008, , .		1
43	Empirical Study of Clustering Algorithms for Wireless Ad Hoc Networks. , 2009, , .		1
44	PEA: Polymorphic Encryption Algorithm based on quantum computation. International Journal of Systems, Control and Communications, 2011, 3, 1.	0.3	1
45	Security for Ad Hoc Networks. , 2010, , 421-432.		1
46	Modified WAP for secure voice and video communication. , 2001, , .		1
47	Novel methods for enabling public key schemes in future mobile systems. , 2002, , .		0
48	User dependent cryptography for security in future mobile telecommunication systems. , 2011, , .		0
49	Privacy concerns in sharing personal consumption data through online applications. , 2016, , .		0
50	Adaptation of a Conference Key Distribution System for the wireless ad hoc network. , 2017, , .		0
51	Evaluating the Provision of Botnet Defences using Translational Research Concepts. , 2018, , .		0
52	Evaluating the Provision of Botnet Defences using Translational Research Concepts. , 2018, , .		0
53	PKI Systems. , 0, , 409-418.		0